GOVERNMENT OF ANDHRA PRADESH
ABSTRACT

AHDD&F Department – Constitution of State Level Committee (SLC) for smooth implementation of the beneficiary oriented schemes/ projects where the total cost of the project is Rs. 50.00 Lakhs and above at the State Level including its approval, supervision and monitoring – Orders –Issued.

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**ANIMAL HUSBANDRY, DAIRY DEVELOPMENT & FISHERIES (FISH) DEPARTMENT**

G.O.RT.No. 177 Dated: 16-10-2020.
Read the following:

1) PMMSY Guidelines issued by GOI, dated.20.06.2020.
2) G.O. Ms. No. 125, AH, DD & F (Fish) Dept, dated : 10-07-2020.
3) G.O. Ms. No. 126, AH, DD & F (Fish) Dept, dated : 10-07-2020.
4) From the CoF Lr. No. Letter No.797/B/2020,Dated: 09.10.2020.

ORDER:

The Government of India, in the reference 1st read above, have issued operational guidelines of the "Pradhan Mantri Matsya Sampada Yojana (PMMSY) – A scheme to bring about Blue Revolution through sustainable and responsible development of fisheries sector in India''.

2. Based on the Guidelines issued by the Government of India in the reference 1st read above, the Government have constituted a State Level Approval and Monitoring Committee (SLAMC) for smooth implementation of the PMMSY at the State Level including its supervision and monitoring in the reference 2nd read above and also constituted District Level Committee (DLC) at district level for implementation of the PMMSY at the District Level including its supervision and monitoring in the reference 3rd read above. The DLC is also responsible for approval of beneficiaries for Beneficiaries oriented individual/group activities of PMMSY.

3. The Commissioner of Fisheries in the reference 4th read above, interalia has informed that, for all the beneficiary oriented schemes/ projects including PMMSY where the total cost of the project is below Rs. 50.00 Lakhs, such projects shall be approved by the District Level Committee as constituted under reference 3rd read above.

4. He has further informed that for the smooth implementation and approval of beneficiary oriented schemes/ projects where the total cost of the project is Rs. 50.00 Lakhs and above, a State Level Committee shall be constituted with the following members and requested to constitute a State Level Committee (SLC).

5. The Government, after examination of the proposal, hereby constituted the State Level Committee under the Chairmanship of Commissioner of Fisheries, Andhra Pradesh with the following composition and terms of reference for approval and smooth implementation of the beneficiary oriented schemes/ projects including PMMSY Schemes where the total cost of the project is Rs. 50.00 Lakhs and above.

(P.T.O)

**Composition of State Level Committee(SLC):**

| | | |
|---|---|---|
| 1 | Commissioner of Fisheries | Chairman |
| 2 | Additional Director of fisheries at O/o CoF, AP, | Convenor |
| 3 | Principal, SIFT , Kakinada | Member |
| 4 | Joint Director, MPEDA | Member |
| 5 | Scientist in charge of Regional centers of CIFNET/ ICAR- CIFA | Member |
| 6 | DGM, NABARD, Regional Office, AP | Member |
| 7 | Representative from Industries Department ( Not below the rank of Joint Director) | Member |
| 8 | Representative from Agriculture Marketing Department ( Not below the rank of Joint Director) | Member |

**Roles and Responsibilities of State Level Committee (SLC):**

a) The SLC will be responsible for approval of the beneficiary oriented schemes/ projects including PMMSY Schemes where the total cost of the project is Rs. 50.00 Lakhs and above including the schemes under PMMSY.
b) The SLC will Suggest/ undertake convergence of activities under GoI schemes with activities/interventions other Schemes and programmes at the State level.
c) The SLC will facilitate fostering of linkages with Banks/Financial Institutions for smooth implementation of beneficiary orientated schemes.
d) The Chairperson may nominate additional state level officials as felt necessary.

6. The approved Guidelines for beneficiary oriented schemes/ projects including PMMSY are annexed as annexure-I and the Schemes which come under purview of DLC and SLC are annexed as annexure-II.

7. The Commissioner of Fisheries, AP., Vijayawada shall take necessary further action in the matter, immediately.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

Dr. POONAM MALAKONDAIAH
SPECIAL CHIEF SECRETARY TO GOVERNMENT (FAC)

To
The Commissioner of Fisheries, Poranki, Vijayawada.
The concerned Members through the Commissioner of Fisheries, Vijayawada.
**Copy to:**
The P.S to SPl. CS to Government, AHDD&F Dept.
The P.S to Minister (AHDD&F).
Sc/Sf.

//FORWARDED:: BY ORDER//

SECTION OFFICER

# Annexure - I

**(Annexure to GO Rt. No.177, AH, DD &F(Fish) Dept., Dt:16.10.2020)**

## Guidelines for Beneficiary Oriented Schemes/Projects including PMMSY

### 1. Operative guidelines for Establishment of New Freshwater Finfish Hatchery

#### 1.Introduction

Fresh Water Aquaculture in the State is dominated by Catla, Rohu and Mrigala. For diversification of species, availability of seed is a pre requisite. There are no such hatcheries for alternative Sps in the state . Hence for encouraging species diversity in fresh water aquaculture like ChannaSps, Magur, Amur Carp, GIFT Tilapia, Minor Carps, Ornamental fishes and other potential species.There is urgent need to "Establish the New Freshwater Finfish Hatcheries for alternative sps. . Establishment of New Fresh water fin fish hatcheries has certain advantages like :

- Alternative species may fetch higher prices as per market demand.
- Diversification can be promoted with commercially viable species
- All Fresh water resources can be better utilized.
- Sustainability in fresh water fish production can be achieved.

#### 2. Objectives:

1. To make availability of seed of alternate fresh water species to farmers and fishers
2. To promote diversification in fresh water aquaculture with potential species
3. To ensure livelihood support, income and employment generation
4. To double the income of fishers and fish farmers
5. To improve fresh water fish production in the State.

#### 3. Eligible Beneficiaries:

- The Fish Farmers, SHGs in Fisheries sector / Fisheries Cooperatives / Fisheries Federations / Entrepreneurs / Private firms / FFPOs / SCs/STs/Women/Differently abled persons .
- The beneficiary(s) should not avail the similar scheme under any other Government Organisation.

#### 4. Unit Cost and Pattern of Assistance:

Unit cost shall be Rs 25.00 lakhs for production of 15 million fry/year/unit (or) 6 crore spawn/year/unit. , The assistance is Rs.10.00 lakhs (40%) for general category beneficiaries and Rs. 15.00 lakhs (60%) subsidy for Women/SC/ST beneficiaries.

**For General Category**

| | |
|---|---|
| Unit cost | Rs.25.00 lakhs |
| GOI Share | Rs.6.00 lakhs (24%) |
| GOAP share | Rs.4.00 lakhs (16%) |
| Beneficiary contribution Bank loan. | Rs.15.00 lakhs (60%) |

**For SCs/STs/Women category**

| | |
|---|---|
| Unit cost | Rs.25.00 lakhs |
| GOI Share | Rs.9.00 lakhs (36%) |
| GOAP share | Rs.6.00 lakhs (24%) |
| Beneficiary contribution/bank loan. | Rs.10.00 lakhs (40%) |

The plan and estimates for construction of hatchery would be finalised by the District Fisheries Officer involving the technical assistance of CIFA Bhuneshwar.

**5. Components Eligible for Assistance:**

a) One large spawning cum-hatching pool.
(Size 600 cm. diameter and 150 cm. height.)
b) Four Small spawning- cum-hatching pools.
(Size 184 cm. diameter and 77 cm. height.)
c) One Inlet pipe is to be fixed to spawning pool to its wall and in case of hatching pool, it is connected to the duck mouth fitted on the bottom of the pool.

d) Two outlet pipes (to be set in the centre of the bottom in each pool which opens outside the pool into the collection centre. For complete drainage of water along with the eggs and spawn a slope of 1:3 is to be maintained towards the centre of the pools. Another outlet pipe is to be fixed at the base of the cistern for complete draining out of water through it. Here also slope of 1:30 is to be maintained towards the outlet pipe.

e) Full way valve or stopper. It is to be provided with both inlet and outlet pipes at its end to control the flow of water and maintain the desired depth of water in the pools or cistern.

f) 5 HP diesel pump is required for pumping of water into the overhead tank at the time of failure of power supply to facilitate uninterrupted operation of hatchery.

g) Four phase socket (to control the pressure of water and to divert excess water it is to be used).

h) Flexible PVC pipe is required for sprinkling of water over the pool to create artificial rain thereby increasing the DO level of water inside the pool.

i) Circular base and metal frame for spawning pool ( A circular base with 7 cm. height in the 4 small pools is to be constructed with removable metal frames for creating 2 compartments during hatching of eggs. Such base will be equidistance between the central outlet and wall of the pool. Small holes are to be made on the upper surface of the circular base for inserting the metal frame.)

j) Fine meshed monofilament netting cloth (it is to cover the metal frame).

k) Smooth bamboo splits: (It is to be inserted in between cloth and the mental frame at equal distance for proper stretching and tightening of the cloth.)

**6. Documents Required:**

i. Application Form with pass port size photos
ii. Detailed Project Report (DPR) and land details.
iii. Copy of land ownership / registered lease agreement document
iv. Copy of Aadhar card, Bank A/c details
v. Bank consent letter for loan / self finance declaration

**7. Terms and Conditions:**

i. Beneficiaries will submit Detailed Project Report(DPR) with full justification & technicaleconomical details, including the species to be produced, capital cost and the recurring cost involved. Project report should also contain details of anticipated direct & indirect employment generation to local population, enhancement of fish production, specific time lines for implementation of project etc.
ii. Beneficiary will provide documentary evidence of availability of requisite land (either own/registered lease document) free from encroachments and encumbrances, sources of finance like Banks consent to provide loan towards the Non-subsidy portion of the project cost or declaration by the beneficiary for own investing, necessary clearances/ permissions etc.
iii. In case of leased land, the lease period/agreement should not be less than a minimum period of 10 years from the date of submission of DPR/SCP and the registered lease document should be included in the DPR/SCP.
iv. Freshwater Finfish Hatchery will have a minimum capacity of 15 million fry/year/unit or 6 crores spawn/year/unit with minimum area of 0.50 ha.
v. Fish hatchery will include brooder pond, nursery ponds, rearing tanks, small laboratory, water & electric supply, required infrastructure facilities etc.
vi. The fish hatchery should be managed by the required qualified technical staff.
vii. Beneficiary will ensure supply of seed produced from the central assisted hatcheries to farmers at affordable/reasonable price.
viii. Post construction operation, management and maintenance of the hatcheries will be carried out in a satisfactory manner by the beneficiaries at their own costs.

ix. Cost of accreditation of the hatchery will be mandatorily included in project estimates.

**8. Mode of Implementation:**

i. The Beneficiary shall submit the proposal in the prescribed format to the Village Secretariat/ RBKs duly enclosing all documents through online i.e, through http://fisheries.ap.gov.in (or) https://gramawardsachivalayam.ap.gov.in
ii. On receipt proposals, the VFA at Village Secretariat / RBKs shall examine the genuineness of the proposals and forward to FDO/AIF within two days.
iii. In Village Secretariat where VFA post is not there, the proposal shall be directly submitted through AIF/FDO.
iv. The FDO/AIF shall scrutinize the application and submit to the DFO along with the feasibility report through ADF within a two days of receipt of applications.
v. On receipt of proposals, the Proposal/ beneficiaries list shall be approved by the District Collector/ Chairman, DLC constituted for PMMSY schemes and for approval of the Units where the total cost of the project is below Rs.50.00 lakhs.
vi. After approval of the list of beneficiaries in DLC, the DFO shall issue administrative sanction to the units to ground the them duly mentioning the terms and conditions as specified in the guidelines under intimation to Head Office and upload the beneficiaries' details in the Departmental portal.
vii. On issue of administrative sanction orders, the beneficiaries shall ground the unit within a period of one month or as per the time schedule mentioned in the DPR whichever is earlier.
viii. Before commencement of the unit, the beneficiary shall obtain permissions if any from the concerned authorities like NOC from APPCB and other statutory clearances as applicable
ix. Beneficiary shall also obtain the license under AP State Aquaculture Development Authority Act 2020
x. After grounding the unit, the beneficiary shall furnish completion report to the DFO along with invoices/ bills, photographs of grounding the unit etc.,
xi. On receipt of the completion report, the DFO shall inspect the unit and verify the quality of the works and certify the unit grounded.
xii. DFO shall issue proceeding for release of eligible subsidy amount to beneficiary account by submitting the bills in treasury.
xiii. After release the subsidy to the beneficiary, the DFO shall furnish the UC within week days and shall maintain the records of grounding the units for inspection by the Authorities

## 2. Operative Guidelines for Establishment of Need Based New Brackish water Hatchery (Shellfish &Fin fish)

### 1. Introduction

Andhra Pradesh has huge potential of about 1.74 lakh ha of brackish water area with wide scope for cultivable species of both shell and fin fishes. To utilize these resources, it is needed to promote the culture of suitable alternate species which have good market in domestic and international. The most suitable species like Mud Crab, sea bass, cobia, pompano, Grouper, Mullets, and other Penaeid shrimp which are highly suitable for small and marginal farmers with low investment and high returns activity is to be encouraged to utilise the existing brackish water potential in the state. Previously the seed was collected from wild sources for culture which makes the heavy damage to natural stocks.. To avoid it there is much need in setting up of hatcheries for these diversified species for availability of seed to the farmers. The need for establishment of New Brackish water hatcheries (Shell & finfish) is due to

- The farmers are heavily dependent on single species L.vannmaei for culture in brackish water.
- Disease outbreaks, high input cost, fluctuations in international prices due to competition due to excessive production from some other shrimp producing countries etc., have created a necessity to promote alternative BW species like seabass, crab, silver pompano etc., among small and marginal farmers.
- The seed availability of these species is not adequate to meet the growing demand among farmers. Therefore, it is proposed to encourage the interested entrepreneurs and others to establish the BW hatcheries for production of finfish and shell fish seed of different species other than L. vannamei.

### 2. Objectives:

- To increase the availability of seed of alternate species to farmers and fishers
- To promote diversified aquaculture with good potential species
- To increase the productivity and production in brackish water ponds
- To increase the income of farmers and fishers.

### 3. Eligible Beneficiaries:

The Fish Farmers , SHGs in Fisheries sector / Fisheries Cooperatives / Fisheries Federation / Entrepreneurs / Private firms / FFPOs / SCs/STs/Women/Differently abled persons .

### 4. Unit Cost and Pattern of Assistance:

Unit cost shall be Rs 50.00 lakh for 5.00 million capacity Hatchery including cost of procurement of brood stock etc. For construction of brackish water finfish/shellfish hatcheries, the total Government subsidy is Rs. 20.00 lakhs (40%) for general category beneficiaries and Rs. 30.00 lakhs (60%) for Women/SC/ST beneficiaries.

**For General Category**

| | |
|---|---|
| Unit cost | Rs.50.00 lakhs |
| GOI Share | Rs.12.00 lakhs (24%) |
| GOAP share | Rs.8.00 lakhs (16%) |
| Beneficiary contribution/ Bank loan | Rs.30.00 lakhs (60%) |

**For SCs/STs/Women category**

| | |
|---|---|
| Unit cost | Rs.50.00 lakhs |
| GOI Share | Rs.18.00 lakhs (36%) |
| GOAP share | Rs.12.00 lakhs (24%) |
| Beneficiary contribution/Bank loan. | Rs.20.00 lakhs (40%) |

**5. Components eligible for assistance:**

| S.No. | Name of the Unit |
|---|---|
| 1 | Brood Stock Maturation Tanks |
| 2 | Spawning and Hatching Tanks |
| 3 | Larval rearing Tanks |
| 4 | Rotifer Tanks/ live feed tanks |
| 5 | Algal section |
| 5 | Reservoir |
| 6 | Filter tank |
| 7 | Seawater pump |
| 8 | Store and Laboratory |
| 9 | office and Staff room |
| 10 | Workshop |
| 11 | ETS |
| 12 | Filtration equipment |
| 13 | Bio-security facilities |
| 14 | Drain and Channel for Water Supply |
| 15 | Vehicle for transportation |
| 16 | Packing Shed, Oxygen Cylinders, Covers, Rubber bands, Cartons etc.. |
| 17 | Any other items required for establishment of hatchery certified by the Central Institute of Brackishwater Aquaculture/ RGCA |

**6. Documents Required:**

i. Application Form with pass port size photos
ii. Detailed Project Report (DPR)
iii. land ownership details / registered lease agreement document
iv. Copy of Aadhar card, Bank A/c details
v. Bank consent letter for loan / self finance declaration

**7. Terms and conditions:**

i. Detailed Project Report (DPR) with full justification with techno economic details including the species to be produced including the capital cost and recurring cost involved. The Project should also contain details of anticipated direct and indirect employment generation to local population , enhancement of fish production , specific time line for implementation of project etc.,
ii. Beneficiary shall provide documentary evidence of availability of requisite land (either own / registered lease document for not less than 10 years from the date of submission of DPR free from encroachment /encumbrances.
iii. Beneficiary shall provide sources of finance like Bank consent to provide loan towards the Non-subsidy portion of the project cost or declaration by the beneficiary for own investing etc.,
iv. Brackish hatchery shall have a minimum capacity of 5 lakh fry/year for finfish and 10 million PL/year for shrimp with minimum area of 0.40 ha.
v. The Brackish fish hatchery shall include brooder pond/tank , nursery rearing facility, rearing tanks, small laboratory, water & electric supply, required infrastructure and facilities.
vi. The hatchery shall be managed by required qualified technical staff and ensure supply of quality seed to farmers at affordable / reasonable prices.
vii. Post construction operation, management and maintenance of the hatchery shall be carried out in a satisfactory manner by the beneficiary at his own cost.
viii. Those who are trained or willing to be trained in hatchery or having experience in the field of hatchery are eligible.
ix. The beneficiary shall submit an undertaking that he/she has not availed financial assistance for the same activity under any Govt. scheme or agency.
x. The financial assistance shall not be provided under the scheme for acquisition purchase/ transfer/ lease of land required for implementation of the intended project.
xi. The project proponents are required to acquire necessary land (in case of non-availability of land with them) at their own cost and complete all processes requiring land acquisition, before submission of the proposal for financial assistance under the scheme.
xii. In case, the project proponent terminates the lease agreement intermediately (earlier that the agreed lease period) and sells out the land as well as facilities created with financial assistance under the scheme under any unavoidable circumstances

whatsoever, they shall have to return the entire financial assistance availed till that time, with applicable interest, in one instalment.

xiii. Cost of accreditation of the hatchery shall also be included in project estimates.

**8. Mode of Implementation:**

i. The Beneficiary shall submit the proposal in the prescribed format to the Village Secretariat/ RBKs duly enclosing all documents through onlinei.e, through http://fisheries.ap.gov.in (or) https://gramawardsachivalayam.ap.gov.in

ii. On receipt proposals, the VFA at Village Secretariat / RBKs shall examine the genuineness of the proposals and forward to FDO/AIF within two days.

iii. In Village Secretariat where VFA post is not there the proposal shall be directly submitted through AIF/FDO.

iv. The FDO/AIF shall scrutinize the application and submit to the DFO along with the feasibility report through ADF within two days of receipt of application..

v. On receipt of proposals, the Proposal/ beneficiaries list shall be approved by the District Collector/ Chairman, DLC constituted for PMMSY schemes and recommend for the Unit.

vi. After approval of the list of beneficiaries in DLC, the DFO shall issue administrative sanction to the beneficiaries to ground the unit duly mentioning the terms and conditions as specified in these guidelines under intimation to Head Office and upload the beneficiaries' details in the Departmental portal.

vii. On issue of administrative sanction orders, the beneficiaries shall ground the unit within a period of onemonths or as per the time schedule mentioned in the DPR whichever is earlier.

viii. After sanction of the unit, the beneficiary shall obtain LOP from the CAA for commencement of the works of the Hatchery, NOC from APPCB and other statutory clearances as applicable to be obtained as applicable.After completion of the works he has to apply for permission from CAA for commencement of operations.

ix. Beneficiary shall also obtain the license under AP State Aquaculture Development Authority Act 2020

x. After grounding the unit, the beneficiary shall furnish completion report to the DFO along with invoices/ bills, photographs of grounding the unit etc.,

xi. On receipt of the completion report, the DFO shall inspect the unit and ensure the quality of the works and certify the unit fully grounded.

xii. DFO shall issue proceeding for release of eligible subsidy to transfer the amount to beneficiary account by presenting bills in treasury.

xiii. After release the subsidy grant to the beneficiary, the DFO shall furnish the UC within a week and shall maintain the records of grounding the unit for inspection by the Authorities.

## 3. Operative Guidelines for Stocking of Fish Fingerlings in Reservoirs @1000FL/Ha (Rs.3.00Lakh/1.00 FL)

### 1. Introduction:

Andhra Pradeshis endowed with vast inland public water bodies at an estimated water spread area of about 2.67 lakh hectares in the form of small reservoirs (1.50 lakh Ha), medium reservoirs (0.28 lakh Ha) and large reservoirs (0.89 lakh Ha) in addition to the major rivers, Godavari and Krishna. Most of the small, medium and large reservoirs are under the lease hold of Primary Fishermen Cooperative Societies. However,few large reservoirs are under individual licensing system for daily fishing by the traditional fishermen living in the vicinity of the reservoirs. Due to lack of sufficient financial support to the fisher societies for purchase and stocking of fish fingerlings in these water bodies ,could not exploit the optimum production of the water sources. Hence, their livelihood to be strengthened, for which the financial assistance from Govt. is required for stocking of fish seed.

### 2.Objectives:

1. To enhance fish production and productivity of potential Reservoirs.
2. Improvement of livelihoods and economic status of traditional fishers
3. Nutritional security to fisher communities.

### 3. Eligible Beneficiaries:

The following public water bodies are eligible to cover under PMMSY scheme for stocking of fish fingerlings @ 1000 FL/ ha:

1. Reservoirs identified which are above 100 ha WSA and are issuing individual fishing licenses to the fishermen
2. Reservoirs identified which are above 100 ha WSA and leased out to the genuine fishermen co-operative societies for the current fasli year.

   It is targeted to cover 59171 fishermen out of which, 34824 members belonging to 337 Primary Fishermen Coop. Societies and 24347 are individual fishing license holders of BPL/SECC categories under the scheme proposed for the year 2020-21.

### 4. Unit Cost and Pattern of Assistance:

The unit cost of the fish seed (80-100 mm size) is Rs.3.00 Lakhs/ 1.00 Lakh. The Government subsidy (including GoI&GoAP) is 40% i.e., Rs.1.20 lakh/ 1.00 Lakh fingerlings for General category (whichever is less) and 60% i.e., Rs.1.80 lakh/ 1.00 Lakh fingerlings for SC/ ST/ Women category (whichever is less). The pattern of Govt and beneficiary share is as shown below:

| S. No. | Water Body | Category | Central Share | State Share | Ben. Share(Society share) |
|---|---|---|---|---|---|
| 1 | Under License | General (%) | 24 | 76 | - |
| | | General (in Rs.) | 0.72 Lakhs | 2.28 lakhs | - |
| | | SC/ ST/ Women (%) | 36 | 64 | - |
| | | SC/ ST/ Women (in Rs.) | 1.08 lakhs | 1.92 Lakhs | - |
| 2 | Under Lease | General (%) | 24 | 16 | 60 |
| | | General (in Rs.) | 0.72 Lakhs | 0.48 lakhs | 1.80 lakhs |
| | | SC/ ST/ Women (%) | 36 | 24 | 40 |
| | | SC/ ST/ Women (in Rs.) | 1.08 Lakhs | 0.72 Lakhs | 1.20 Lakhs |

**5. Documents Required:**

**i.** Application Form
ii. Self Contained Proposals
iii. Copy of land ownership / registered lease agreement document
iv. Copy of Aadhar card, Bank A/c details, Contact number and photo.
v. Bank consent letter for loan / self finance declaration
vi. The society shall submit a copy of the resolution, lease orders for current fasali year
vii. Last 3 years audit report in case of society.

**6. Terms and Conditions:**

(i) It would be approved as a group activity. Beneficiaries/ society will submit self-contained proposal/Detailed Project Report (DPR) with full justification & details of the reservoirs etc.

(ii) The SCP/DPRs will also contain details of anticipated direct & indirect employment generation, enhancement of fish production and productivity, improvement of economic status of locals, specific time lines for the implementation of the project etc.

(iii) The beneficiaries will obtain necessary prior permissions from the concerned Authorities for fishing in the reservoirs including fish stocking.

(iv) The SCP/DPR should also clearly indicate the due diligence and transparency in stocking of the fish stock, time cycle in stocking and harnessing etc.

(v) Small reservoir may be provided with pen culture units as may be decided by DoF. The unit cost for pen culture isRs. 3.00 lakhs per/ha.

## 7. Mode of Implementation:

i. Primary Fishermen Cooperative Societies (PFCS) group of Licence holders shall apply through online application with self contained proposals with relevant information of the water bodies, functional statusi.e, through http://fisheries.ap.gov.in (or) https://gramawardsachivalayam.ap.gov.in

ii. The proposals shall be recommended by field functionaries through proper channel to the District Fisheries Officer for obtaining approval from the District Collector/ Chairman, District Level Committee constituted for PMMSY schemes"

iii. The fish seed suppliers shall be empanelled through State Level tender Committee or District Purchase Committee constituted by the District Collector of the respective districts through competitive bidding process (e-procurement).

iv. The beneficiaries shall pay beneficiary contribution in favour of concerned District Fisheries Officer as per the rates finalized in the e-procurement for supply of fish seed (80-100 mm size).

v. The DFO shall issue supply order to the empanelled supplier and shall make necessary arrangements for stocking of fish fingerlings size 80-100 mm in the identified public water bodies.

vi. The fish seed shall be stocked in the leased water bodies in the presence of Seed Stocking Committee involving the Village volunteers/Village Fisheries Assistant, Village Revenue Officer, Panchayat Secretary, President of Concerned FCS, Managing Committee and members of the FCS, concerned AIF/ FDO/ ADF.

vii. The fish seed shall be stocked in the licensed water bodies in the presence of Seed Stocking Committee comprising District Level Officers viz., Fisheries Department not below the rank of Assistant Director of Fisheries, Revenue Department not below the Rank of Tahasildar, Panchayat Raj Department not below the rank of MPDO and fishermen under individual fishing license.

viii. The DFO shall issue administrative sanction for release of payment to the seed suppliers through Direct Benefit transfer (DBT) after submission of seed stocking certificates duly signed by the seed stocking committee, photographs and press clippings of stocking of fish seed.Stocking shall be done duly involving public representatives for transference.

ix. The DFO shall submit UC after implementation of scheme along with Physical and Financial progress report.

x. Seed stocking register as well as database shall be maintained at the District level and also Village Secretariats. This will also be displayed in the Dept. website.

xi. The Fisheries Development Officer/Asst. Inspector of Fisheries and the Village Fisheries Assistant shall monitor the scheme at field level. The Divisional Deputy/Asst Directors of Fisheries, District Fisheries Officer as well as the Commissionerate of Fisheries shall monitor & supervise the implementation of the scheme.

xii. The DFOs shall record the success stories on the project implementation and livelihood improvement of the fishers depended on the Public Water Bodies.

**Project Details and Project area:**

The district-wise details of the water bodies, estimated number of fish fingerlings and the cost of fish seed are shown in the table below. Details of each water body are as shown in the Annexures.

| Sl. No | District | Water bodies | TWSA (Ha) | EWSA (Ha) | FL in Lakh(1000 per Ha) | Seed cost ( Rs 3.00lakhs/1.00) |
|---|---|---|---|---|---|---|
| 1 | Srikakulam | 14 | 2702 | 1000 | 10.00 | 30.00 |
| 2 | Vizianagaram | 29 | 7562 | 4000 | 40.00 | 120.00 |
| 3 | Visakhapatnam | 16 | 7176 | 4000 | 40.00 | 120.00 |
| 4 | East Godavari | 9 | 8039 | 4000 | 40.00 | 120.00 |
| 5 | West Godavari | 12 | 1990 | 1000 | 10.00 | 30.00 |
| 6 | Krishna | 8 | 4215 | 2375 | 23.75 | 71.25 |
| 7 | Guntur | 15 | 35873 | 20000 | 200.00 | 600.00 |
| 8 | Prakasam | 21 | 7404 | 3000 | 30.00 | 90.00 |
| 9 | Nellore | 89 | 66891 | 30000 | 300.00 | 900.00 |
| 10 | Chittoor | 13 | 3739 | 2000 | 20.00 | 60.00 |
| 11 | Kadapa | 57 | 32977 | 20000 | 200.00 | 600.00 |
| 12 | Ananthapuramu | 49 | 26716 | 10000 | 100.00 | 300.00 |
| 13 | Kurnool | 33 | 46211 | 30000 | 300.00 | 900.00 |
| **Total** | | 365 | 251495 | 131375 | 1313.75 | 3941.25 |

## 4. Operative Guidelines for Construction of Biofloc ponds for Brackish water areas (0.1 ha) including inputs

### 1. Introduction:

Andhra Pradesh has huge potential of about 1.74 lakh ha of brackish water culture area with wide cultivable species of both shell and fin fishes. In AP State, about 1.95 lakh ha of area is under Fresh water and B.W aquaculture in 9 coastal districts. Out of which, an extent of 1.09 lakh ha is under shrimp culture (L.vannamei)in 1.03 Lakh ha, Tiger shrimp in 0.06 lakhs ha., an extent of 0.06 lakh ha under mud crab culture, 0.047 lakh ha under sea bass culture and 0.741 lakh ha under freshwater fish culture. The entire brackish water aquaculture sector is dominated by L.vanmmei and some extent on P.monodon. The culture in brackish water undertaken in intensive and semi-intensive mode in which usage of feed in large quantities is resulting in wastage of feed , poor FCR , pond bottom degradation, environmental pollution, low productivity , mortality of shrimp due to disease outbreaks which causes economic loss to the farmers. As an improvement over this culture practices, the environmental friendly aquaculture system called "Biofloc Technology (BFT)" Culture have many advantages as stated below:-

- Maintenance of water quality, by the uptake of nitrogen compounds generating "*in situ*" microbial protein
- Nutrition, increasing culture feasibility by reducing feed conversion ratio and a decrease of feed costs.
- Zero water exchange without any commercial feed nutrients are continuously recycled and reused.
- Semi closed condition with continuous aeration
- The biofloc is a rich protein-lipid source. In the water column a complex interaction happens between organic matter, physical substrate, microbes, phytoplankton, and grazers, such as rotifers, ciliates and flagellates protozoa and copepods .This natural productivity play an important role in recycling nutrients and maintain the water quality
- Water is reused in farm itself and Nutrients are continuously reused and recycled.
- No risk of pathogens
- More bio-secured culture
- Productivity of shrimp is up to8 -10 ton /ha as against 6-8 ton/ha in semi-intensive culture
- Survival is more than 90% as against about 80% in semi-intensive culture.

### 2. Objectives:

i. To improve productivity of the crop per unit
ii. To minimize the wastage of the feed and thereby reducing the production cost
iii. To avoid the possible disease outbreaks and promote more secured culture practices
iv. Sustainability of the sector
v. Higher incomes to the farmers

**3. Eligible Beneficiaries:**

The Fish Farmers, SHGs in Fisheries sector / Fisheries Cooperatives / Fisheries Federation / Entrepreneurs / Private firms / FFPOs / SCs/STs/Women/Differently abled persons / State Government units for demo purposes.

**4.Unit Cost and Pattern of Assistance:**

The unit cost is Rs. 18.00 lakhs (for 0.1 ha) including inputs of which the subsidy component is Rs.7.20 lakhs (40%) for general category and Rs. 10.80 lakhs (60%) for STs/ SCs/ Women. The balance of the unit cost will be the beneficiary contribution. The subsidy component is shared by GOI and GOAP in the ratio of 60:40

**For General Category**

| | |
|---|---|
| Unit cost | Rs.18.00 lakhs |
| GoI Share | Rs.4.32 lakhs (24%) |
| GoAP share | Rs.2.88 lakhs (16%) |
| Beneficiary contribution /bank loan | Rs.10.80 lakhs (60%) |

**For SCs/STs/Women category**

| | |
|---|---|
| Unit cost | Rs.18.00 lakhs |
| GoI Share | Rs.6.48 lakhs (36%) |
| GoAP share | Rs.4.32 lakhs (24%) |
| Beneficiary contribution | Rs.7.20 lakhs (40%) |

**5.ComponentsEligible for Assistance:**

| **Capital Items** |
|---|
| 100 ton lined nursery pond with central drainage |
| Aerator and Aeration system |
| Lab for water quality, microbiology + DO meter |
| Bio-security nets and fixers |
| Nets , Pipes etc + drain pit |
| Plastic item(Mug, Feeding tray, Basket) |
| Storage room, blower room, staff quarters, Wash room, OHT |
| Generator, cabling, lighting, pumps |
| **Inputs required** |
| Seed |
| Disinfectant (Bleaching, NAOH) |
| Feed |
| Carbon source-900 |
| Mineral and Other supplements |

**Note:** The beneficiary can choose the items out of the list shown above on extant basis subject to the ceiling of unit cost of Rs.18.00 lakhs / 0.1 ha area

**6. Documents Required:**

i. Application Form in the prescribed format with passport size photos.
ii. Project Report (PR)
iii. Copy of land ownership / registered lease agreement document
iv. Copy of Aadhar card, Bank A/c details ,
v. Bank consent letter for loan / self finance declaration
vi. Copy of the Permission from Coastal Aquaculture Authority, if the proposed area is within the jurisdiction of CAA or State Govt. as the case may be.

**7. Terms and Conditions:**

i. Project Report (PR) with full justification with techno economic details including the species to be cultured, the capital cost and recurring cost involved. The Project Report should also contain details of anticipated direct and indirect employment generation to local population , enhancement of fish production , specific time line for implementation of project etc.,
ii. Beneficiary shall provide documentary evidence of availability of requisite land (either own / registered lease document for not less than 7 years from the date of submission of Self Contained Proposal .He has to get the registration from concerned authorities.
iii. Post construction operation, management and maintenance of the hatchery shall be carried out in a satisfactory manner by the beneficiary at his own cost.
iv. The beneficiary shall submit an undertaking that he/she has not availed financial assistance for the same activity under any Govt. scheme or agency.
v. Beneficiary shall provide sources of finance like Banks consent to provide loan towards the Non-subsidy portion of the project cost or declaration by the beneficiary for own investing etc.,
vi. The government assistance is restricted to (a) 2 units of 0.1 ha per individual beneficiary, (b) 2 units of 0.1 ha multiplied by the members of the group / society with a ceiling of 20 ha per group/society in case of group of fishers and fish farmers i.e. SHGs or those undertaken cluster /area approach
vii. The DFO of the concerned district and the ADF/DDF/FDO under whose jurisdiction the hatchery comes shall monitor and supervise the implementation of the scheme.

## 9. Mode of Implementation

i. The Beneficiary shall submit the proposal in the prescribed format to the Village Secretariat/ RBKs duly enclosing all documents through onlinei.e, http://fisheries.ap.gov.in (or) https://gramawardsachivalayam.ap.gov.in

ii. On receipt proposals, the VFA at Village Secretariat / RBKs shall examine the genuineness of the proposals and forward to FDO/AIF within two days.

iii. In Village Secretariat where VFA post is not there the proposal shall be directly submitted through AIF/FDO.

iv. The FDO/AIF shall scrutinize the application and submit to the DFO along with the feasibility report through ADF within a two days of receipt of applications.

v. On receipt of proposals, the Proposal/ beneficiaries list shall be approved by the District Collector/ Chairman, DLC constituted for PMMSY schemes and recommend for the Unit.

vi. After approval of the list of beneficiaries in DLC, the DFO shall issue administrative sanction to the beneficiaries to ground the unit duly mentioning the terms and conditions as specified in these guidelines under intimation to Head Office and upload the beneficiaries' details in the Departmental portal.

vii. On issue of administrative sanction orders, the beneficiaries shall ground the unit within a period of one month or as per the time schedule mentioned in the DPR whichever is earlier.

viii. After sanction of the unit, the beneficiary shall obtain LOP from the CAA for commencement of the operation of the unit, NOC from APPCB and other statutory clearances as applicable

ix. Beneficiary shall also obtain the license under AP State Aquaculture Development Authority Act 2020

x. After grounding the unit, the beneficiary shall furnish completion report to the DFO along with invoices/ bills, photographs of grounding the unit etc.,

xi. On receipt of the completion report, the DFO shall inspect the unit and ensure the quality of the works and certify the unit grounded.

xii. DFO shall issue proceeding for release of the amount to beneficiary accountthrough treasury(DBT)

xiii. After release the subsidy grant to the beneficiary, the DFO shall furnish the UC within a week days and shall maintain the records of grounding the units for inspection by the Authorities

## 5. Operative Guidelines for Construction of Biofloc ponds (0.1 ha) for Freshwater area including inputs

### 1. Introduction

In AP State, the area under freshwater fish culture is about 0.741 lakh hectares and the farmers are using formulated feeds and loo se feeds leading to wastage of feed , degradation of pond bottom, disease outbreaks, low FCR , low productivity per unit. In order to overcome these problems, some enterprising fish farmer's experimentally trialed on biofloc practices in fresh water Aqua culture. This practices needs to be promoted vigorously so that sustainability of the fresh water aquaculture can be achieved. The culture practices now are heavily dependent on extensive use of land area, excessive usage of formulated feeds , chemicals , inorganic fertilizers , medicines etc., which are leading to the high cost in production of the crop and the problems of water and soil pollution, disease outbreaks, crop failures, depositing of chemicals in the flesh of the produce , formation of sludge at the bottom of the pond, drain out of the pond water into canals and drains casing environmental pollution etc., It is in this background, it is high time the biofloc based culture systems are promoted to offset and overcome the above stated hurdles so that the more production and productivity is achieved with eco-friendly culture practices .

### 2. Objective:

The culture in freshwater undertaken in intensive and semi-intensive mode in which usage of feed in large quantities is resulting in wastage of feed, poor FCR , pond bottom degradation, environmental pollution, low productivity mortalities due to disease outbreaks which causes economic loss . As an improvement over this culture practices, the environmental friendly aquaculture system called "Biofloc Technology (BFT)" Culture have many advantages as stated below:-

- Maintenance of water quality, by the uptake of nitrogen compounds generating "*in situ*" microbial protein
- Nutrition, increasing culture feasibility by reducing feed conversion ratio and a decrease of feed costs.
- Zero water exchange without any commercial feed nutrients are continuously recycled and reused.
- Semi closed condition with continuous aeration
- The biofloc is a rich protein-lipid source. In the water column a complex interaction happens between organic matter, physical substrate, microbes, phytoplankton, and grazers, such as rotifers, ciliates and flagellates protozoa and copepods .This natural productivity play an important role in recycling nutrients and maintain the water quality
- Water is reused in farm itself
- No risk of pathogens
- Nutrients are continuously reused and recycled.
- More bio-secured culture

- To have high productivity of the crop per unit
- To use less feed
- To avoid the possible disease outbreaks and promote more secured culture practices
- Sustainability of the sector
- Higher incomes to the farmers

**3. Eligible Beneficiaries:**

The Fish Farmers , SHGs in Fisheries sector / Fisheries Cooperatives / Fisheries Federation / Entrepreneurs / Private firms / FFPOs / SCs/STs/Women/Differently abled persons / State Government /Research units,

**4. Unit Cost and Pattern of assistance:**

The unit cost is Rs. 14.00 lakhs of which the total Government subsidy component is 40% for general category and 60% for STs/ SCs/ Women. The balance of the unit cost will be the beneficiary contribution/bank loan. The subsidy component is shared by GOI and GOAP in the ratio of 60:40

**For General Category**

| | |
|---|---|
| Unit cost | Rs.14.00 lakhs |
| GOI Share | Rs.3.36 lakhs (24%) |
| GOAP share | Rs.2.24 lakhs (16%) |
| Beneficiary contribution/Bank Loan. | Rs.8.40 lakhs (60%) |

**For SCs/STs/Women category**

| | |
|---|---|
| Unit cost | Rs.14.00 lakhs |
| GOI Share | Rs.5.04 lakhs (36%) |
| GOAP share | Rs.3.36 lakhs (24%) |
| Beneficiary contribution/Bank loan | Rs.5.60 lakhs (40%) |

**5. Components Eligible for Assistance:**

| **Capital Items** |
|---|
| 100 ton lined nursery pond with central drainage |
| Aerator and Aeration system |
| Lab for water quality, microbiology + DO meter |
| Biosecurity nets and fixers |
| Nets , Pipes etc + drain pit |

| |
|---|
| Plastic item(Mug, Feeding tray, Basket) |
| Storage room, blower room, staff quarters, Wash room, OHT |
| Generator, cabling, lighting, pumps |

| **Inputs required** |
|---|
| Seed |
| Disinfectant (Bleaching, NAOH) |
| Feed |
| Carbon source-900 |
| Mineral and Other supplements |

**Note:** The beneficiary can choose the items out of the list shown above on extant basis subject to the ceiling of unit cost of Rs.14.00 lakhs / 0.1 ha area

**5. Documents Required:**

i. Application Form in prescribed format with passport size photos
ii. Project Report (PR)
iii. Copy of land ownership / registered lease agreement document
iv. Copy of Aadhar card, Bank A/c details
v. Bank consent letter for loan / self finance declaration
vi. Copy of the Permission from Coastal Aquaculture Authority, if the proposed area is within the jurisdiction of CAA or State Govt. as the case may be.

**6. Terms and Conditions:**

i. Project Report (PR) with full justification with techno economic details including the species to be cultured, the capital cost and recurring cost involved. The Project Report should also contain details of anticipated direct and indirect employment generation to local population , enhancement of fish production , specific time line for implementation of project etc.,

ii. Beneficiary shall provide documentary evidence of availability of requisite land (either own / registered lease document for not less than 7 years from the date of submission of Self Contained Proposal will have to be submitted.

iii. Post construction operation, management and maintenance of the hatchery shall be carried out in a satisfactory manner by the beneficiary at his own cost.

iv. The beneficiary shall submit an undertaking that he/she has not availed financial assistance for the same activity under any Govt. scheme or agency.

v. Beneficiary shall provide sources of finance like Banks consent to provide loan towards the Non-subsidy portion of the project cost or declaration by the beneficiary for own investing etc.,

vi. The government assistance is restricted to (a) 2 units of 0.1 ha per individual beneficiary, (b) 2 units of 0.1 ha multiplied by the members of the group / society with a ceiling of 20 ha per group/society in case of group of fishers and fish farmers i.e. SHGs or those undertaken cluster /area approach

vii. The DFO of the concerned district and the ADF/DDF/FDO under whose jurisdiction the hatchery comes shall monitor and supervise the implementation of the scheme.

**8. Mode of Implementation:**

i. The Beneficiary shall submit the proposal in the prescribed format to the Village Secretariat/ RBKs duly enclosing all documents through onlinei.e, http://fisheries.ap.gov.in (or) https://gramawardsachivalayam.ap.gov.in.

ii. On receipt proposals, the VFA at Village Secretariat / RBKs shall examine the genuineness of the proposals and forward to FDO/AIF within two days.

iii. In Village Secretariat where VFA post is not there the proposal shall be directly submitted through AIF/FDO.

iv. The FDO/AIF shall scrutinize the application and submit to the DFO along with the feasibility report through ADFwithin a two days of receipt of applications.

v. On receipt of proposals, the Proposal/ beneficiaries list shall be approved by the District Collector/ Chairman, DLC constituted for PMMSY schemes and recommend for the Unit.

vi. After approval of the list of beneficiaries in DLC, the DFO shall issue administrative sanction to the beneficiaries to ground the unit duly mentioning the terms and conditions as specified in these guidelines under intimation to Head Office and upload the beneficiaries' details in the Departmental portal.

vii. On issue of administrative sanction orders, the beneficiaries shall ground the unit within a period of one monthor as per the time schedule mentioned in the DPR whichever is earlier.

viii. After completion of the unit, the beneficiary shall obtain License under APSADA Act 2020/Fisheries Department for commencement of the operation of the Hatchery, NOC from APPCB and other statutory clearances as applicable

ix. After grounding the unit, the beneficiary shall furnish completion report to the DFO along with invoices/ bills, photographs of grounding the unit etc.,

x. On receipt of the completion report, the DFO shall inspect the unit and verify the quality of the works and certify the unit grounded.

xi. DFO shall issue proceeding for release of eligible subsidy through Direct Benefit Transfer from Treasury into beneficiary account.

xiii. After release the subsidy grant to the beneficiary, the DFO shall furnish the UC within a week days and shall maintain the records of grounding the units for inspection by the Authorities

## 6.Operative guidelines for Establishment of Large Re-circulatory Aquaculture Systems (RAS)

### 1.Introduction:

In AP State, about 1.95 lakh ha of area is under aquaculture. Out of which, an extent of 1.09 lakh ha is under shrimp culture *(L.vannamei-), 1.03* Lakh ha,Tiger shrimp*in 0.06* lakh*s ha,* an extent of 0.06 lakh ha under mud crab culture, 0.047 lakh ha under sea bass culture and 0.741 lakh ha under freshwater fish culture and stands as "Aqua hub of India". This land based aquaculture practice have created some problems of water and land sharing/leasing, disease outbreaks , crop and economic losses to farmers. To overcome these problems , the technology infusion into the aquaculture practices is necessary by introduction and promotion of Re-circulatory Aquaculture Systems (RAS)among the farmers asit is environmentally sustainable and can be a commercially viable model for increasing the production of the fish.

The pond based aquaculture in some areas is facing some problems like waste water discharge, water scarcity, conversion of fertile agriculture land to aquaculture, scarcity of suitable land for aquaculture expansion, poor control over water and soil parameters , crop losses due to climate change etc., To overcome this, it is proposed to encourage Re-circulatory Aquaculture Systems (RAS) as it is environmentally sustainable and can be a commercially viable practice for increasing the production of the fish.

### 2.Objectives:

- Use and reuse minimum water
- To prevent the conversion of agriculture lands to aquaculture
- To minimize the volume of effluents, facilitating waste recovery,
- To permit high density culture in locations where space and or water is limiting factor
- To allow increased control over the culture environment, especially indoors
- Promoting environmentally sustainable technologies.
- To increase the incomes of fish farmers and fishers

### 3.Eligible Beneficiaries :

The Fish Farmers, SHGs in Fisheries sector / Fisheries Cooperatives / Fisheries Federation / Entrepreneurs / Private firms / FFPOs / SCs/STs/Women/Differently abled persons / State Government / Central Govt and its entities/ State Fisheries Development Boards

### 4. Unit Cost and Pattern of Assistance :

The unit cost is Rs. 50.00 lakhs of which the subsidy component is 40% for general category and 60% for STs/ SCs/ Women. The balance of the unit cost will be the beneficiary contribution or Bank loan The subsidy component is shared by GOI and GOAP in the ratio of 60:40

**For General Category**

| | |
|---|---|
| Unit cost | Rs.50.00 lakhs |
| GOI Share | Rs.12.00 lakhs (24%) |
| GOAP share | Rs.8.00 lakhs (16%) |
| Beneficiary contribution/Bank Loan | Rs.30.00 lakhs (60%) |

**For SCs/STs/Women category**

| | |
|---|---|
| Unit cost | Rs.50.00 lakhs |
| GOI Share | Rs.18.00 lakhs (36%) |
| GOAP share | Rs.12.00 lakhs (24%) |
| Beneficiary contribution/Bank Loan. | Rs.20.00 lakhs (40%) |

**5. Components Eligible for Assistance:**

| S. No. | Name of the Component | Large Scale |
|---|---|---|
| | No. of Tanks | 8 tanks of minimum 90 cubic meters / tank , capacity 40 ton/crop. Incase of Biofloc culture system. (50 tanks of 4 m dia and 1.5 high) |
| | Tank Size | |
| | Total Tank Volume | |
| | Productivity | |
| | Production Capacity Per 2 crops | |
| A | **Civil Works/ Mechanical/ Electrical works for construction of Recirculatory Aquaculture System** | Rs.50.00 lakhs |
| 1. | Concrete foundation for filters, tanks | |
| 2. | Greenhouse/ Shed | |
| 3. | Main Electrical Connection & Wiring | |
| 4. | Standby Power Generator System & Wiring | |
| 5. | Main Water Supply, Storage System and Discharge Point, sludge pits | |
| 6. | Lab Services for testing | |
| B | **Equipment for installation of RAS** | |
| 7. | Six Fish Tanks each of 30 m3 capacity with height 1.27 m | |
| 8. | Water Treatment System | |
| 9. | Mechanical Filter, Drum FilterBiological Filters, UV Filter, Ozone Filter, Sand Filter | |
| 10. | Complete Interconnecting piping System | |
| 11. | Aeration System | |
| 12. | Fish Feeder | |

| | | |
|---|---|---|
| 13. | Hand Nets, Catch Nets | |
| 14. | Orange Baskets | |
| 15. | Water Test Kits | |
| 16. | Pumping System | |
| C | **Input for Culture** | |
| 17. | Fish/ Prawn Seed | |
| 18. | Fish/ Prawn Feed | |
| | **Total** | **50.00** |

**6) Documents Required :**

a. Application form / Covering letter
b. Detailed Project Report (DPR)
c. Copy of land ownership / registered lease agreement document
d. Copy of Aadhar card, Bank Ac details , contact phone number , photo
e. Permission letter from the competent authority for construction of RAS
f. Bank consent letter for Loan / Self finance declaration

**7) Terms and Conditions :**

i. Beneficiaries shall submit Detailed Project Report (DPR) with justification , capital cost , recurring cost involved, source of funds for meeting the beneficiary contribution including bank consent for providing loan to meet the beneficiary share, undertaking of beneficiary to the effect that no other governmental assistance is availed for the proposed project , anticipated direct & indirect employment generation to local population , enhancement of fish production and specific time lines for implementation of project etc.,
ii. Water Source:- Any surface water source like canal , river , spring subsurface/ground water from open well, tube well, ground water etc., may be used RAS.
iii. Beneficiaries shall provide documentary evidence of availability of requisite land (either owned /registered lease) . In case of lease land, the minimum lease period should be 7 years and the registered lease document will be included in the DPR.
iv. DPRs shall also contain details of anticipated direct & indirect employment generation to local populations, enhancement of fish production, specific time lines for the implementations of the project etc.
v. Project Construction operation, management and maintenance of the RAS shall be carried out in a satisfactory manner by the beneficiaries at their own costs.
vi. Infrastructure created should have essential requirements for RAS including water treatment units.
vii. The procurement of fish seed, feed and the market for the produce will be sole responsibility of the beneficiary.

viii. Government assistance will be restricted to one unit of large RAS for individual farmer/beneficiary.

ix. The Govt assistance will be restricted to 2 units of large RAS per group / society in case they are taken up by Groups of fishers and fish farmers i.e fisher SHGs / Fishermen Cooperatives etc., or those undertaken in a cluster /area approach . However a cluster / area may have multiple groups / societies.

x. In case of Exotic Fish Species , permission from Government is mandatory.

xi. The beneficiary shall submit the registration certificate issued by the Department of Fisheries (State Govt) or Coastal Aquaculture Authority, Chennai.

**8. Mode of Implementation:**

a) The scheme will be implemented by the Commissioner of Fisheries, Andhra Pradesh through the District Fisheries Officer of the concerned Coastal Districts.

b) Site selection and identification of beneficiaries at village level will be done by field level fisheries officials with the assistance of the concerned sectoral staff of village secretariat.

c) The application shall be submitted through online through onlinei.e, http://fisheries.ap.gov.in (or) https://gramawardsachivalayam.ap.gov.in and the application shall be examined by VFA and forward to FDO/ AIF within two days.

d) In Village Secretariat where VFA post is not there, the proposal shall be directly submitted through AIF/FDO.

e) The FDO shall scrutinize the application and submit it to the DFO through ADF along with the feasibility report within a week of receipt of applications.

f) The entrepreneurs have to submit the self-contained DPR. After obtaining the DPR, the District Fisheries Officer shall place before DLCconstituted for PMMSY schemes and get its approval

g) In case of the bank finance the DFO shall forwarded the proposal to the financing Bank for consent.

h) The three stage photograph (before commencement, during construction work and after completion) with beneficiaries to be submitted by the FDO before verification of the hatchery by verification committee.

i) After completion of work, the DFO may initiate the release of subsidy to the beneficiary.

j) The DFO of the concerned district and the ADF/DDF/FDO under whose jurisdiction the hatchery comes shall monitor and supervise the implementation of the scheme.

## 7. Operative Guidelines for Motorcycle with Icebox (Post Harvest and Cold Chain Infrastructure)

### 1. Introduction:

The main aim of the department is optimum utilization of available water resources, welfare of fishermen and to address the critical gaps in the infrastructure for value chain, thereby to make Andhra Pradesh as model state for welfare of fishermen and development of Fisheries sector. In order to increase the domestic consumption there is immense need to develop and strengthen the cold chain infrastructure. The fishers shall be encouraged to improve their livelihood, generate employment and shall ensure nutritional security to the people.

### 2. Objectives:

- To create livelihood/ employment to the fishers and improve socio-economic condition to the fishers
- To ensure availability of quality fish to consumers and ensure higher price of the produce.
- To provide nutritional security to the people

### 3. Eligible Beneficiaries:

The beneficiaries shall be Fishers/ FCS/ FWCS/ SHG/ MMG/ Unemployed youth. Priority shall be given to the fishers depended on the fish marketing activity.

### 4. Unit cost and Pattern of Assistance:

The unit cost is Rs.0.75 Lakhs. The Government subsidy (including GoI&GoAP) is 40% i.e., Rs.0.30 Lakh for General category (whichever is less) and 60% i.e., Rs.0.45 lakh for SC/ ST/ Women category (whichever is less). The pattern of Govt and beneficiary share is as shown below:

| S. No. | Water Body | Category | Central Share | State Share | Ben Share/bank loan. |
|---|---|---|---|---|---|
| 1 | Motorcycle with Icebox | General (%) | 24% | 16% | 60% |
| | | General (in Rs.) | 0.18 Lakhs | 0.12 lakhs | 0.45 lakhs |
| | | SC/ ST/ Women (%) | 36% | 24% | 40% |
| | | SC/ ST/ Women (in Rs.) | 0.27 Lakhs | 0.18 Lakhs | 0.30 Lakhs |

**5. Components Eligible for Assistance:**

| Component wise details | No. | Total Cost (in Rs.) |
|---|---|---|
| Two wheeler Moped, BS VI standards with Helmet | 1 | 75000 |
| Ice Boxes 50 Lit. Capacity | 2 | |
| Fish Cutting Board HDPE with stand (3/4" thickness) | 1 | |
| Electronic Weighing scale (Battery Mode) | 1 | |
| Fish Cutting and Dressing Tools | 1 | |
| Lemon Oil, Sprayer, Head Gear, Gloves set etc.. | 1 | |
| **Total** | | **75000** |

**6. Documents Required:**

(i) Application Form in prescribed format
(ii) Self Contained Proposal
(iii) Copy of Aadhar card,
(iv) Bank A/c details,
(v) Bank consent letter for loan / self finance declaration
(vi) Passport Size Photo
(vii) Ration Card,
(viii) Driving License/ LLR

**7. Terms and Conditions:**

i. Beneficiaries will ensure that the fish vending/ motor cycle with ice box procured under this scheme will be used only for vending/ transport of fish and fisheries related items and not for any other purpose.

ii. In case, it is found at any point of time that the fish vending/ transport vehicles procured under the PMMSY are used for other than the fisheries purposes, the Government of India will recover the entire central assistance with interest from the beneficiaries.

iii. The vehicle shall be hypothecated with the Department of Fisheries, GoAP for a minimum period of 3 years.

iv. The beneficiaries shall display permanently on the vehicle to the effect that the vehicle is purchased with the Governmental financial assistance under the PMMSY of the Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying & Department of Fisheries, GoAP.

v. Beneficiaries should ensure that fish vending/ transport facilities are maintained in operational condition.

vi. Maintenance & operational costs of the fish vending/ transport vehicles shall be met by the beneficiaries at their own cost.

vii. The Dept. shall not be responsible for any losses incurred on procurement, operation, maintenance and management of the fish vending/ transport facilities.

viii. Beneficiaries will abide by rules/regulations, imposed by the State Government and as well as Central Government on maintenance & operation of the fish transport facilities from time to time.

**8. Mode of Implementation:**

i. The scheme shall be advertised through the Departmental website/ newspapers for wide publication. The beneficiary shall apply through online i.e, through http://fisheries.ap.gov.in (or) https://gramawardsachivalayam.ap.gov.inwith self contained proposals along with the required documents.

ii. On receipt proposals, the VFA at Village Secretariat / RBKs shall examine the genuineness of the proposals and forward to FDO/AIF within two days

iii. In Village Secretariat where VFA post is not there the proposal shall be directly submitted through AIF/FDO.

iv. The applications received shall be scrutinized by the field level functionaries (FDO/ AIF) and forwarded to the District Fisheries Officer (DFO) through proper channel.

v. The DFO on receipt of the applications will verify and the identified beneficiaries shall be approved by the District Level Committee with Collector & District Magistrate chairmanconstituted for PMMSY schemes.

vi. The approved beneficiaries shall pay the beneficiary share of 60% (for general) or 40% (SC/ ST/ Women) in the form of Demand Draft/ Cheque in favour of District Fisheries Officer of the concerned District through self-finance or bank loan and remit the amount to the DFO Bank Account.

vii. The DFO shall call tenders through online (e-procurement) through the District Purchase Committee (DPC) for empanelling of dealers/ suppliers for every component.

viii. On finalizing the empanelled dealers/ suppliers the department shall issue supply order with the firms as per the beneficiary choice at rates finalized in the DPC.

ix. The units shall be delivered to the beneficiaries by the department officers concerned with proper stock entry and acknowledgement.

x. The DFO shall release the subsidy portion and beneficiary contribution to the empanelled dealers/ suppliers after submission of proper bills by the suppliers and recommendations of the field functionaries.

xi. The geo-tagged photographs, videos of the vending/ transport vehicle along with the beneficiary shall be kept and displayed in the website.

xii. Appropriate register shall be maintained at the District and Field Level and the list of beneficiaries shall be displayed in the website.

ix. The project implementing officers shall submit monthly progress report to the District Fisheries Officers and thereby to the Project Monitoring Unit at State Level. Success stories shall be prepared and to besent to the Department of Fisheries, GoI.

x. Proper record maintenance and recordings of scheme implementation, paper publications, file documentation and stock particulars, bills, cash book shall be properly maintained for auditing purpose.

**8.Operative guidelines for Support for Acquisition of Deep Sea Fishing Vessels by Traditional Fishermen under Development of Deep Sea Fishing:**

**1.Introduction**

Government of Andhra Pradesh is having 974 kms of coast line, 33,227 Sq., Kms of continental shelf area providing scope of sustainable yield of off shore & Deep sea fish production. The present level of average annual marine catch stands at 5.60 lakh MTs.Rs 13,960 Crores (2018-19) worth of marine products are exported from the state. The contribution of marine product constitutes about 36 % of the total export in value. In comparison to other states of the country the state is having only 1544 nos. of mechanized fishing vessels comprising trawlers and Gill netters which cannot venture into deep sea for fishing. The state has no Deep-sea and Intermediary fishing vessels.

The state Government is now developing 8 fishing harbours& 4 fish landing centers and with an objective of providing additional landing & berthing facilities for Deep sea fishing crafts along with other fishing crafts and also the provisions for post harvest like handling of fish catch, processing and maintenance of hygienic standards as per EU norms etc.

**2. Objectives**

- In order to tap the unutilized resources of deep sea fishing with introduction of advanced mechanized vessels are proposed
- The South - East Bay of Bengal coast is reported to be enriched with Tuna fisheries which provide an opportunity for commercial exploitation of this catch by the vessel operators of our State.
- To improve the marine Sea food exports from the State.
- Since the territorial waters is about overexploited, the encouragement for deep sea fishing is an alternative for enhancing marine fish production of the state.

- Therefore it is felt imperative to explore the deep sea resources by introduction of Tuna Long liner in the coast of Andhra Pradesh.

**3. Eligible Beneficiaries:**

- Traditional/artisanal fishermen and their Societies/Associations/ SHGs/ FFPOs are eligible.
- The beneficiary(s) should not avail the same scheme under any Govt. sponsored programmes earlier.

**4. Unit Cost and Pattern of Assistance:**

Unit Cost is Rs. 120.00 lakhs. The maximum sealing of Government Subsidy for General Category is Rs. 48.00 lakhs (40% subsidy on unit cost) and Rs.72.00 lakhs (60% subsidy on unit cost) for SC/ ST/ Women Category beneficiaries.

**Unit cost for General Category (in Rs. lakhs)**

| | |
|---|---|
| Unit cost | 120.00 lakhs |
| GoI Share | 28.80 lakhs |
| GoAP share | 19.20 lakhs |
| Beneficiary contribution/ Bank finance | 72.00 lakhs |

**Unit cost for SCs/STs/Women category (Rs. in lakhs)**

| | |
|---|---|
| Unit cost | 120.00 lakhs |
| GoI Share | 43.20 lakhs |
| GoAP share | 28.80 lakhs |
| Beneficiary contribution/ Bank Finance | 48.00 lakhs |

**5. Components Eligible for Assistance:**

| S.No | Component |
|---|---|
| 1 | Fabrication of Hull with steel |
| 2 | FRP layers for needy area i.e under water portion, deck cabin etc |
| 3 | Engine: maximum 300 HP marine grade engine with Gear Box and stern equipment etc |
| 4 | Suitable generator |
| 5 | G.B. Pully operated Hydraulic Winch |
| 6 | Fuel tanks for minimum of 4 KL |
| 7 | Fresh water tanks for 2.0 KL |
| 8 | Deck equipment for operating fishing gear , Navigation lights. |
| 9 | Anchor with rope |
| 10 | Navigational aids and GPS, SONAR/ Echo-sounder/fish finder , VHF etc |
| 11 | Refrigerated fish storage |
| 12 | Long line fishing accessories, floats etc |

6. **Documents Required:**

- Application Form with pass port size photo.
- Copy of Aadhaar card, Bank A/C details
- Bank consent letter for Loan / Self finance declaration
- If existing fishing boat owner- Registration certificate/ fishing license under the ReALCraft,
- In case of society:
  - ✓ Society registration certificate copy
  - ✓ Audit report copies for last 3years.
  - ✓ Bank account details
  - ✓ GB resolution for applying loan with source of finance to meet balance cost other than subsidy.

7. **Terms and Conditions:**

i. The Governmental assistance is restricted to;(1) one unit per individual beneficiary and(2) two units per group/society with minimum of 10 members in case of Groups of traditional/artisanal fishermen i.e. traditional/artisanal fishermen SHGs/Joint Liability Groups (JLGs)/ traditional/artisanal Fisher Cooperatives etc. or those undertaken in a cluster/area approach.

ii. However, a cluster/area may have multiple groups/societies. As far as FFPOs/Cs are concerned, the modalities of implementation and upper ceiling on the total units eligible for support would be decided by the CAC.

iii. The vessel should haveonboard machineries/fishing equipment including refrigerated storage facilities for undertaking deep sea tuna long lining and gill netting.

iv. Appropriate communication systems, AIS/transponders and other navigational equipment for safe navigation etc., as per the relevant regulations/guidelines are mandatory onboard the vessels.

v. Beneficiaries will submit Self Contained Proposal (SCP) with relevant techno-financial details of the vessel.

vi. Installation of Bio-toilet shall be mandatory within the project cost.

vii. The Beneficiaries will submit the detailed voyage report including voyage period from timeto-time, species-wise catch details, the price realized (if exported) as per the prescribed proforma.

viii. the completed craft shall be registered under Real Craft in MS Act.

**8. Mode of Implementation:**

(i) The scheme shall be advertised through the Departmental website/ Gramasachivalayami.e, http://fisheries.ap.gov.in (or) https://gramawardsachivalayam.ap.gov.in

(ii) Eligible beneficiaries shall apply at Gramasachivalayam through online at above websites along with essential documents including hard copy of application.

(iii) On receipt proposals, the VFA at Village Secretariat / RBKs shall examine the genuineness of the proposals and accepted applications will forward to the concerned sub Officer (FDO/AIF)and AD Fisheries for verification and desk scrutiny.

(iv) The eligible applications received from the Divisional Officers (ADFs) will be verified by DFO and get the approval of DLC, chaired by District Collectorconstituted for PMMSY schemes.

(v) The DFO has to issue sanction order to approved beneficiaries with terms conditions laydown.

(vi) In case of Bank Loan, the beneficiary(s) should submit the Bank sanction letter for the loan portion. In case of self-finance; the beneficiary(s) should submit willingness to contribute their portion over and above subsidy component.

(vii) Deep sea fishing vessel shall purchase/ construct from approved GoI Ship Yards/ Boat Yards as per choice of beneficiary.

(viii) Work order has to issue to ship yard/boats yard for taking of construction.

(ix) DFO shall monitor the scheme implementation in co-ordination with CIFT for quality of construction, design and other technical details.

(x) On receipt of Beneficiary contribution, the DFO has to arrange for drawl of subsidy portion from District Treasury for payment to the Suppliers concerned.

(xi) The beneficiary shall also procure onboard vessel communication system, AIS/VTS/ tracking equipment and other navigational equipments for safety navigations from empanelled suppliers.

(xii) The verification committee shall be constituted by the Commissioner of Fisheries with representative from CIFT, Kochi,CIFNET,Visakhapatnam for final inspection of construction of boats

(xiii) The geo-tagged photographs of the Deep sea fishing boat along with the beneficiary and Verification Committee report shall be kept and displayed in the Fisheries Dept., website.

(xiv) Appropriate register shall be maintained at the District level officer and the list of beneficiaries shall be displayed in the Fisheries Dept., website.

(xv) The Joint Director of Fisheries, (Marine), Deputy/Joint Director of Fisheries (Coastal District), Addl. Director of Fisheries (HO) as well as the Commissioner of Fisheries shall monitor & supervise the implementation of the scheme.

## 9.Operative guidelines for Establishment of Bio-Toilets in Mechanised Fishing Vessels

### 1.Introduction

Bio toilet is a decomposition toilet system to be provided in mechanized boats, which decomposes human excretory waste in the digester tank using specific high graded bacteria (aerobic or anaerobic) further converting it into methane gas and water. Bio toilet is a different toilet as compare to the traditional restrooms. It saves a lot of water and helps in keeping the fishing vessel clean as well as the sea and all its living organisms. This component shall also promote the “Swachha Bharat Abhiyan” of GoI.

**2.Objectives**

a) Bio-toilet is designed with the aim of accelerating decomposition of human excreta, optimizing / minimizing the efficiency of the potential environmental or nuisance problems (Odour).
b) This will keeps the sea water clean so as to keep the fish and other sea animals healthy and hygienic.

**3. Eligible Beneficiaries**

The existing Mechanised Fishing Boat owners, registered under ReALCraft.

**4. Unit Cost and Pattern of Assistance:**

Unit Cost is Rs. 0.50 lakhs. The maximum Government Subsidy for General Category is Rs. 0.20 lakhs (40% subsidy on unit cost) and Rs.0.30 lakhs (60% subsidy on unit cost) for SC/ ST/ Women Category beneficiaries.

| Name of the sub-component | Category | Unit Cost (Rs. in Lakhs) | Central Share (Rs. in Lakhs) | State Share (Rs. in Lakhs) | Beneficiary Share (Rs. in Lakhs) |
|---|---|---|---|---|---|
| Establishment of Bio-toilets in mechanized fishing vessels | General | 0.50 | 0.12 | 0.08 | 0.30 |
| | SC/ST/ Women | 0.50 | 0.18 | 0.12 | 0.20 |

**5. Components Eligible for Assistance:**

- Arrangement of Bio – toilets in Mechanized Fishing Vessels

**6. Documents Required:**

i. Application Form with Passport size photo graph
ii. Copy of Aadhaar card, Bank AC details .
iii. Bank consent letter for Loan / Self finance declaration
**iv.** Valid registration certificate and fishing license under the ReALCraft

**7. Terms and Conditions:**

i. Support under PMMSY will be provided for fitment of Bio toilets in Mechanisedfishing vessels for maintaining hygiene, prevention and spread of diseases, prevention of pollution of sea and protection of their ecology (swachhsagar).
ii. The beneficiary and State/UT shall ensure that the bio toilets assisted under PMMSY are maintained in operational conditions.
iii. Transfer of bio toilets to other person/vessel by any means shall be strictly prohibited.
iv. The concerned authority shall have right to inspect the bio toilet for verification at regular intervals on installation and use of bio toilets supplied under the PMMSY.

**8. Mode of Implementation:**

(i) The scheme shall be advertised through the Departmental website, GramaSachivalayami.e, http://fisheries.ap.gov.in (or) https://gramawardsachivalayam.ap.gov.infor wide publicity.

(ii) ExistingMechanized fishing boat owner shall apply through online with essential documents along with hard copy of application.

(iii) On receipt proposals, the VFA at Village Secretariat / RBKsshall examine the genuineness of the proposals and accepted applications will forward it to the concerned sub Officer (FDO/AIF), AD Fisheries. Where VFA post is not there, the application can be submitted to FDO/ AIF through online as the case may be.

(iv) After necessary scrutiny by DFO, eligible beneficiaries will be approved by the DLC chaired by District Collector, constituted for PMMSY schemes.

(v) DFO shall monitor the scheme implementation time to time in co-ordination with CIFTand CIFNET

(vi) DFO has to get the declarations from the beneficiaries and issue sanction orders to the beneficiaries and collect the beneficiary contribution through DD in favour of DFO/ online transfer..

(vii) In case of Bank Loan, the beneficiary(s) should submit the Bank Consent letter for the loan portion. In case of self finance; the beneficiary(s) should submit willingness to contribute their portion over and above subsidy component.

(viii) On receipt of Beneficiary contribution, the DFO has to arrange for drawl of subsidy portion from District Treasury for payment to the Suppliers concerned.

(ix) In case of bank finance, DFO should get the bank sanction order for release of loan component and arrange to release the subsidy component to bank account of the concerned beneficiary and ground the scheme through Bank.

(x) The verification committee shall be constituted by the Commissioner of Fisheries with representative from CIFT, Kochi.

(xi) The geo-tagged photographs of the establishment of Bio- Toilet in MFV along with the beneficiary and Verification Committee shall be kept and displayed in the Fisheries Dept., website.

(xii) The Joint Director of Fisheries, (Marine), Joint Director of Fisheries (Coastal District), Addl. Director of Fisheries (HO) as well as the Commissioner of Fisheries shall monitor & supervise the implementation of the scheme.

(xiii) District purchase committee will empanel the dealers/ suppliers for establishment of Bio-Toilets in MFVs as per choice of beneficiary.

## 10.Operative guidelines for Establishment of Disease Diagnostic and Quality Testing Labs

### 1. Introduction:

Andhra Pradesh has huge potential of about 1.74 lakh ha of brackish water culture area with wide cultivable species of both shell and fin fishes. In AP State, about 1.95 lakh ha of area is under aquaculture in 9 coastal districts. Out of which, an extent of 1.09 lakh ha is under shrimp culture *(L.vannamei).03* Lakh ha*,* Tiger shrimp*, 0.06* lakh*s ha.*, an extent of 0.06 lakh ha under mud crab culture, 0.047 lakh ha under sea bass culture and 0.741 lakh ha under freshwater fish culture and stands as "Aqua hub of India". The aquaculture farmers are facing several problems like disease outbreaks and spurious aquaculture inputs as a result they are sustaining heavy economic losses which will be around Rs. 400 to 500 crore per annum. Hence it is necessity to provide input testing and disease diagnosis facilities which will help the farmers to know the quality of inputs, water and soil parameters and disease outbreaks if any. This will guide the farmers to adopt best management practices and to prevent or mitigate the loss of the crops.

### 2.Objectives:

- To mitigate the losses in aquaculture by extending technical services to the Aqua Farmers.
- For the sustainability and to decrease disease outbreaks in Aquaculture
- To make the farmers adopt best management practices in Aquaculture.
- Ensure availability of water, soil analysis facilities, and aquatic animal health disease diagnostic facilities to the aqua farmers of the state.
- Enhancement of production and productivity by making available the aquatic animal health management and diagnostic facilities there by promotion of the Exports.

### 3.Eligible Beneficiaries:

The Fish Farmers , SHGs in Fisheries sector / Fisheries Cooperatives / Fisheries Federation / Entrepreneurs / Private firms / FFPOs / SCs/STs/Women/Differently abled persons / State Government / Central Govt and its entities/ State Fisheries Development Boards

### 4. Unit Cost and Pattern of Assistance:

The unit cost is Rs.25.00 lakhs of which the subsidy component is 40% for General Category and 60% for STs/ SCs/ Women. The balance of the unit cost will be the beneficiary contribution/ bank loan.

**For General Category**

| | |
|---|---|
| Unit cost | Rs.25.00 lakhs |
| GOI Share | Rs.6.00 lakhs (24%) |
| GOAP share | Rs.4.00 lakhs (16%) |
| Beneficiary contribution/bank loan | Rs.15.00 lakhs (60%) |

**For SCs/STs/Women category**

| | |
|---|---|
| Unit cost | Rs.25.00 lakhs |
| GOI Share | Rs.9.00 lakhs (24%) |
| GOAP share | Rs.6.00 lakhs (16%) |
| Beneficiary contribution/bank loan. | Rs.10.00 lakhs (60%) |

For Govt labs, the unit cost is shared by GOI and GOAP in the ratio of 26:74

**5. Components Eligible for Assistance :**

| Sl. No. | Item | Equipment needed |
|---|---|---|
| 1 | Physico - chemical Parameters of Water And Soil:<br>Water Analysis:<br>Temperature, pH, Dissolved Oxygen, Ammonia, Nitrite, Phosphorus, Alkalinity, Hardness, Salinity, Micro Nutrient Levels ,BOD etc.,<br>Soil Analysis:<br>pH, EC, Available Phosphorus, Available Nitrogen , Organic Carbon , Calcium, Potassium etc.,<br>Microbiological Examination :<br>Biological examination of sample, Isolation and Identification of Microbes, Microscopic Examination of Tissues, Any disease outbreak, etiology, pathological observations etc., | Thermometer, pH meter, pH pen, Digital DO meter, Refractometer, BOD Incubator, Chemicals, Glassware Water test kits, Spectrophotometer / Photometer, BOD Incubator etc.,<br><br>Soil pH Cone, EC Meter, Flame photometer, Digestion & Nitrogen Extractor, soil test kits Glassware & Chemicals etc.,<br><br>Laminar Air flow, Autoclave, Bacteria colony counting chamber, Binocular / Trinocular microscope with Lamp and Photography facility, Portable CTV , Media necessary for bacterial isolation & identification , Sensitive Balance , Glassware and chemicals, Computer, Printer &Net work, stationery, table etc., |
| 2 | Civil works and internal arrangements / fittings related to place and fix the lab equipment | |

Note: The expenditure related to item number 2 above shall not exceed Rs.10.00 lakhs out of the unit cost of the scheme i.e Rs.25.00 lakhs.

**6. Documents Required:**

a. Application form / Covering letter
b. Self Contained Proposal (SCP)
c. Copy of land ownership / registered lease agreement document

d. Copy of Aadhar card, Bank Ac details , contact phone number , photo
e. Registration/ permission from the competent authority
f. Bank consent letter for Loan / Self finance declaration

**7.Terms and Conditions:**

i. The beneficiaries shall submit Self Contained Proposal (SCP) with justification, detailed cost estimates (including copies of quotations), recurring cost involved, source of funds for meeting the beneficiary contribution including bank consent for providing loan, undertaking of beneficiary to the effect that no other governmental assistance is availed for the proposed project, anticipated direct and indirect employment generation.
ii. The SCP inter-alia includes: - a) Documentary evidence of availability of requisite land (either owned / registered lease document) admeasuring at least 1500 Sq. feet at a suitable location. In case of leased land, the lease period should be minimum 10 years and registered lease document shall be furnished in SCP. b) Location, layout design, of the proposed laboratory (in case of immovable lab), details of the trained man power to be positioned for day-to-day operations. c) Strength of farmers, quantum of farming areas (ha) along with major species farmed/cultured nearer to the proposed laboratory that is likely to use the facility.
iii. The beneficiaries involved in fish and fishery quality analyses and/ or aquatic animal disease diagnosis services , having technically qualified and experienced manpower to set up and maintain the laboratory are eligible for setting up of AAH laboratory.
iv. In case of ELISA and other accessories are included then the unit cost will be up to 40 lakhs in case of stationary laboratories . The project cost would be shared between Centre, State and beneficiary as per funding pattern of CSS component of PMMSY.
v. After completion of the project on setting up of the laboratory , the beneficiary shall submit the report on the number of samples tested under various categories , revenue generated and manpower in place shall, number of farmers benefitted etc., to the department regularly on a quarterly basis.
vi. The laboratory shall maintain proper registers / records pertaining to the details of the test reports.
vii. Beneficiary will ensure that the technical staff employed in the laboratory shall be trained regularly.
viii. The beneficiary shall maintain and operate the laboratory for a minimum period of 10 years from the date of its commissioning. The beneficiary shall submit an undertaking to this effect.

**8. Mode of Implementation:**

i. The scheme shall be implemented by the Commissioner of Fisheries, Andhra Pradesh through the District Fisheries Officer of the concerned District.
ii. Location of the proposed lab and identification of beneficiary at village level will be done by field level fisheries officials with the assistance of the concerned sectoral staff of the village secretariat.
iii. The beneficiary shall apply through online athttp://fisheries.ap.gov.in (or) https://gramawardsachivalayam.ap.gov.in
iv. The VFA shall examine the application for genuineness and shall forward it t o FDO/ AIF.
v. Where VFA post is not there, the application can be submitted to FDO/ AIF through online
vi. The FDO shall scrutinize the application and submit it to the DFO through ADF along with the feasibility report within a week of receipt of applications.

vii. The entrepreneurs have to submit the self-contained DPR. After obtaining the DPR, the District Fisheries Officer shall place before DLC, chaired by District Collector, constituted for PMMSY schemes and get its approval

viii. In case of the bank finance the DFO shall forwarded the proposal to the financing Bank.

ix. The three stage photograph (before commencement, during construction work and after completion) with beneficiaries to be submitted by the FDO before verification by verification committee.

x. After completion of work, the DFO may initiate the release of subsidy to the beneficiary/ Bank for onward release to beneficiary or firm..

xi. The Joint Director of Fisheries of the concerned district and the ADF/DDF/FDO under whose jurisdiction the lab comes shall monitor and supervise the implementation of the scheme.

## 11.Operative guidelines for Establishment of Disease Diagnostic and Quality Testing Mobile labs/Clinics

**1.Introduction:**

About 1.95 lakh hectares of area is under aquaculture in 9 coastal districts. Due to semi-intensive nature of the culture practices and the farmers desire to achieve high production and productivity of the culture species in their ponds , the animals in the pond is subjected to stress factors due to deterioration in the quality of water and soil . Constant need of monitoring and correcting the quality of the soil and water in the pond and health management of the animals cultured in the pond is very important for sustainability of the aquaculture sector. It is also important the disease diagnostic and quality testing lab services are also available at the farm or nearby the farm site itself so that small and marginal farmers are benefitted. It is in this context, adequate presence of disease diagnostic and quality testing mobile labs/clinics in the culture areas is very much needed to be promoted.

**2.Objectives:**

- To mitigate the losses in aquaculture by extending technical services to the Aqua Farmers at farm site in real time..
- For the sustainability and to decrease disease outbreak in Aquaculture
- To make the farmers adopt best management practices in Aquaculture.

**3.Eligible Beneficiaries:**

The Fish Farmers , SHGs in Fisheries sector / Fisheries Cooperatives / Fisheries Federation / Entrepreneurs / Private firms / FFPOs / SCs/STs/Women/Differently abled persons / State Government / Central Govt and its entities/ State Fisheries Development Boards

**4.Unit Cost and Pattern of Assistance:**

The unit cost is Rs.25.00 lakhs of which the subsidy component is 40% for General Category and 60% for STs/ SCs/ Women. The balance of the unit cost will be the beneficiary contribution or bank loan. The subsidy component is shared by GOI and GOAP in the ratio of 60:40.

**For General Category**

| | |
|---|---|
| Unit cost | Rs.35.00 lakhs |
| GOI Share | Rs.8.40 lakhs (24%) |
| GOAP share | Rs.5.60 lakhs (16%) |
| Beneficiary contribution /bank loan | Rs.21.00 lakhs (60%) |

**For SCs/STs/Women category**

| | |
|---|---|
| Unit cost | Rs.35.00 lakhs |
| GOI Share | Rs.12.60 lakhs (36%) |
| GOAP share | Rs.8.40 lakhs (24%) |
| Beneficiary contribution/bank loan | Rs.14.00 lakhs (40%) |

For Govt labs, the unit cost is shared by GOI and GOAP in the ratio of 26:74

5.**Components Eligible for Assistance**

| Sl. No. | Item | Equipment needed |
|---|---|---|
| 1 | Physico - chemical Parameters of Water And Soil:<br>Water Analysis:<br>Temperature, pH, Dissolved Oxygen, Ammonia, Nitrite, Phosphorus, Alkalinity, Hardness, Salinity, Micro Nutrient Levels ,BOD etc.,<br>Soil Analysis:<br>pH, EC, Available Phosphorus, Available Nitrogen , Organic Carbon , Calcium, Potassium etc.,<br>Microbiological Examination :<br>Biological examination of sample, Isolation and Identification of Microbes, Microscopic Examination of Tissues, Any disease outbreak, etiology, pathological observations etc., | Thermometer, pH meter, pH pen, Digital DO meter, Refractometer, BOD Incubator, Chemicals, Glassware Water test kits, Spectrophotometer / Photometer, BOD Incubator etc.,<br><br>Soil pH Cone, EC Meter, Flame photometer, Digestion & Nitrogen Extractor, soil test kits Glassware & Chemicals etc.,<br><br>Laminar Air flow, Autoclave, Bacteria colony counting chamber, Binocular / Trinocular microscope with Lamp and Photography facility, Portable CTV , Media necessary for bacterial isolation & identification , Sensitive Balance , Glassware and chemicals, Computer, Printer &Net work, stationery, table etc., |
| 2 | Four wheeler vehicles designed/ modified to fit in and carry the lab equipment. | |

Note: The list is only indicative. The expenditure related to item number 2 above shall not exceed Rs.20.00 lakhs out of the unit cost of the scheme i.e Rs.35.00 lakhs.

**6. Documents Required :**

a. Application form / Covering letter
b. Self Contained Proposal (SCP)
c. Copy of ownership document
d. Copy of Aadhar card, Bank Ac details , contact phone number , photo
e. Driving Licence / LLR
f. Registration/ permission from the competent authority
g. Bank consent letter for Loan / Self finance declaration

**7. Terms and Conditions:**

a) The project shall be implemented by the Commissionerate of Fisheries, Andhra Pradesh, Vijayawada through the District Fisheries Officers of Coastal Districts and their field functionaries.
b) The beneficiaries shall submit Self Contained Proposal (SCP) with justification, detailed cost estimates (including copies of quotations) , recurring cost involved, source of funds for meeting the beneficiary contribution including bank consent for providing loan, undertaking of beneficiary to the effect that no other governmental assistance is availed for the proposed project, anticipated direct and indirect employment generation.
c) The SCP inter-alia includes:- a) Details of the trained man power to be positioned for day-to-day operations of the mobile lab . c) Strength of farmers, quantum of farming areas (ha) along with major species farmed/cultured nearer to the proposed laboratory that are likely to use the facility.
d) The beneficiaries involved in fish and fishery quality analyses and/ or aquatic animal disease diagnosis services , having technically qualified and experienced manpower to operate and maintain the laboratory are eligible for mobile AAH laboratory.
e) After readying of the mobile laboratory , the beneficiary shall submit the report on the number of samples tested under various categories , revenue generated and manpower in place shall, number of farmers benefitted etc., to the department regularly on a quarterly basis.
f) The laboratory operator shall maintain proper registers / records pertaining to the details of the test reports.
g) Beneficiary will ensure that the technical staff employed in the laboratory shall be trained regularly.
h) The beneficiary shall maintain and operate the laboratory for a minimum period of 10 years from the date of its commissioning. The beneficiary shall submit an undertaking to this effect.

**8. Mode of Implementation:**

a) The scheme shall be implemented by the Commissioner of Fisheries, Andhra Pradesh through the District Fisheries Officer of the concerned District.
b) Area of the operation of the proposed lab and identification of beneficiary at village level will be done by field level fisheries officials with the assistance of the concerned sectoral staff of the village secretariat.
c) The beneficiary shall apply through online athttp://fisheries.ap.gov.in (or) https://gramawardsachivalayam.ap.gov.in

d) The VFA shall examine the application for genuineness and shall forward it t o FDO/ AIF.
e) Where VFA post is not there, the application can be submitted to FDO/ AIF through online
f) The FDO shall scrutinize the application and submit it to the DFO along with the feasibility report within a week of receipt of applications.
g) The entrepreneurs have to submit the self-contained DPR.
h) After obtaining the DPR, the District Fisheries Officer shall place before DLC constituted for PMMSY schemes chaired by District Collector and get its approval
i) In case of the bank finance the DFO shall forwarded the proposal to the financing Bank for consent.
j) The three stage photograph (before commencement, during construction work and after completion) with beneficiaries to be submitted by the FDO before verification by verification committee.
k) After completion of work, the DFO may initiate the release of subsidy to the beneficiary.
l) The DFO of the concerned district and the ADF/DDF/FDO under whose jurisdiction the lab comes shall monitor and supervise the implementation of the scheme.

**12. Operative guidelines for "Providing Boats (Replacement) and Nets for Traditional Fishermen" under Strengthening of Safety and Security of Fishermen:**

**1.Introduction:**

Andhra Pradesh state being a maritime State is endowed with 974 kms of coast line with 33,227 sq. kms of continental shelf area.The State is having 27781 nos. (As on 31-06-2020) of registered marine fishing vessels out of which 1544 are mechanised, 19147 are motorised and 7090 are non-motorised traditional crafts. The Govt. of Andhra Pradesh plans to replace the traditional wooden boats with FRP in phased manner. The component is meant to provide more access to deeper seas for better catch and thus uplifting the socio economic condition of the traditional fishers will be ensured. The State is having 27781 nos. of marine fishing boats.out of this, about 40% are wooden crafts which are to be replaced with new FRP boats with efficient fishing gears in phased manner. The proposed project proposal would help to restore the loss and damage of fishing boats and be helpful to exploit more catch from the sea by increasing the catch per unit effort, accelerate the income of the fishermen and helpful in strengthening the safety and security of fishermen.

**2. Objectives :**

- To provide livelihood support to the poor traditional marine fishermen.
- To upgrade fishing boat to reduce drudgery and increasing unit effort
- new FRP boats on replacement basis for livelihood subsistence and promotion of small scale fisheries

**3. Eligible Beneficiaries :**

- Existing Traditional boat owners (including artisanal).

**4. Unit Cost and Pattern of Assistance:**

| Name of the sub-component | Category | Unit Cost (in Rs. Lakhs) | Central Share (in Rs. Lakhs) | State Share (in Rs. Lakhs) | Beneficiary Share (in Rs. Lakhs)/Bank loan |
|---|---|---|---|---|---|
| Providing Boats (Replacement) and Nets for Traditional Fishermen | General | 5.00 | 1.20 | 0.80 | 3.00 |
| | SC/ST/ Women | 5.00 | 1.80 | 1.20 | 2.00 |

**5.Components Eligible for Assistance:**

- FRP boat with IMB/OBM marine grade engine and fishing nets,

**6. Documents Required:**

i. Application Form with passport size photo
ii. AADHAR &Bank Ac details.
iii. Bank consent letter for Loan / Self finance declaration
iv. In case of marine fisheries, the beneficiary should possess valid (a) ownership certificate, (b) Registration Certificate and Fishing License under ReALCraft,

**7. Terms and Conditions:**

i. Traditional (including artisanal) marine fishermen actively involved in fishing are eligible for the benefit under this component.
ii. As far as inland fisheries are concerned, the State will certify the genuineness of the beneficiary with regard to fishing/fishing related activities as his/her occupation/livelihood. However, QR coded Aadhar card is mandatory.
iii. In case of marine fisheries, the beneficiary should possess valid (a) ownership certificate, (b) Registration Certificate and Fishing License under ReALCraft, (d) Biometric ID Card or Fishers ID card and (e) mandatorily QR coded Aadhar Card.
iv. States/UTs shall ensure that the old fishing boats against which the replacement is being made are suitably disposed of, and while disposing such old boats do not cause environmental pollution.

**8. Mode of Implementation:**

(i) The scheme shall be advertised through the Departmental website, GramaSachivalayam for wide publicity.
(ii) Existing fishing boat owner as per the eligibility criteria shall apply at Gramasachivalayamwiththrough online athttp://fisheries.ap.gov.in (or) https://gramawardsachivalayam.ap.gov.in along with relevant documents including hard copy of application.
(iii) The applications will forward it to the concerned sub Officer (FDO/AIF), AD Fisheries.

(iv) After necessary scrutiny by DFO, eligible beneficiaries will be approved by the District Collector/ Chairman, DLC constituted for PMMSY schemes

(v) DPC will empanel the dealers/ suppliers for providing Boats (Replacement) and nets as per choice of beneficiary.

(vi) DFO monitor the scheme implementation in co-ordination with CIFT for sea worthiness and other technical certification.

(vii) DFO has to get the declarations from the beneficiaries and issue sanction orders to the beneficiaries and collect the beneficiary contribution through DD in favour of DFO.

(viii) In case of Bank Loan, the beneficiary(s) should submit the Bank Consent letter for the loan portion. In case of self finance; the beneficiary(s) should submit willingness to contribute their portion over and above subsidy component.

(ix) On receipt of Beneficiary contribution, the DFO has to arrange for drawl of subsidy portion from District Treasury for payment to the Suppliers concerned.

(x) In case of bank finance, DFO should get the bank sanction order for release of loan component and release the subsidy component to bank account of the concerned beneficiary and ground the scheme through Bank.

(xi) The beneficiary shall also procure onboard vessel communication system, and other navigational equipments for safety navigations from empanelled suppliers.

(xii) The verification committee shall be constituted by the Commissioner of Fisheries with representative from CIFT, Kochi.

(xiii) The geo-tagged photographs of the provided Boat & Nets along with the beneficiary and Verification Committee shall be kept and displayed in the Fisheries Dept., website.

(xiv) Appropriate register shall be maintained at the District level officer and the list of beneficiaries shall be displayed in the Fisheries Dept., website.

(xv) The Deputy Joint Director of Fisheries, (Marine), Joint Director of Fisheries (Coastal District), Addl. Director of Fisheries (HO) as well as the Commissioner of Fisheries shall monitor & supervise the implementation of the scheme.

## 13. Operative Guidelines Establishment of Open Sea cages

### 1. Introduction:

The State of Andhra Pradesh has a vast coast line of 974 Kms with a marine area 33,227 Sq km of continental self. Around 28035 (As on 31-05-2020) nos. of fishing boats (Mechanised, Motorised and Non-motorised) are venturing in to the sea for fishing and the fishery in shore waters becomes exhausted and the fishermen are forced to venture into deep sea waters. CMFRI identified suitable sites of 5 coastal districts in Andhra Pradesh for an additional production of with cages. Hence there is a need to provide alternate livelihood to the coastal fishermen duly utilizing the bountiful resources of open sea waters available along the coast. Govt. of Andhra Pradesh has proposes to support for establishment of open sea cages under the scheme on pilot basis. Although the State is endowed with vast coastal waters resources, the productivity mainly depends on capture fisheries. Fish catch from these capture fisheries resources are declining due to various factors. There is lot of potential for increasing additional fish production from these water bodies through adoption cage culture with scientific techniques.

**2.Objectives:**

a) To promote cage culture in open sea waters
b) To ensure additional income to fishermen depending on sea
c) To increase the fish production from marine waters

**3.Eligible Beneficiaries:**

Traditional fishermen (or) fisherwomen / Marine fishermen co-op societies/Fish farmers co-operative societies/ SHGs/MMGs./ Unemployed Individuals

**4. Unit Cost and Pattern of Assistance :**

| Name of the sub-component | Category | Unit Cost (Rs. in Lakhs) | Central Share (Rs. in Lakhs) | State Share (Rs. in Lakhs) | Beneficiary Share (Rs. in Lakhs)/Bank loan |
|---|---|---|---|---|---|
| Support for establishment of open sea cages (100-120 cubic meter volume) | General | 5.00 | 1.20 | 0.80 | 3.00 |
| | SC/ST/ Women | 5.00 | 1.80 | 1.20 | 2.00 |

**5.Components Eligible for Assistance:**

| **Name of the Component** | **Items and material** |
|---|---|
| **Cage Collars and Supporting Systems** | • Welded structure in the water column to maintain shape and serve as a work platform<br>• Materials used: Metal, plastic drums, PVC/ HDPE pipes, Styrofoam, rubber tubes, bamboo and logs |
| **Cage Frames** | • 7 mtDia outer net frame and 6 metreDia inner net frame<br>• Outer net depth 3 meter and inner net 3.3 meter depth |
| **Net bag** | • Synthetic nylon or polythene netting reinforced with polythene ropes<br>• Netting material is either twisted, braided or even knotless<br>• Bird protection net – twisted HDPE and UV treated 1.25 mm twine and 60-80 mm net size. |
| **Mooring Systems** | • Lines and anchors that secure cages in a particular location<br>• Rope and Chain is used to link cage or cage group to anchors or pegs secured to the sea bed<br>• Multipoint mooring and Single point mooring are the two commonly used mooring in marine cages |

Note :

- Size of each cage will be 6 mts diameter x 4 mts depth (113 $m^3$) for circular cage and 6x4x4 mts (96$m^3$) for rectangular cage.
- Input shall include cost of fish seed, feed, manure, disease prevention measures, transportation charges & maintenance cost on one time basis.
- Suitable areas identified by the scientific Institutes/ Organisations(CMFRI) shall be selected and the cage shall be installed & operated by Marine fishermen / MFCS.
- The target production shall be 2-3 MT per cage unit per year.
- The scheme shall be implemented as per the guidelines of GoI/PMMSY issued from time to time.

**6. Documents Required:**

- Application Form with passport size photo
- Copy of Aadhaar card, Bank Ac details.
- Bank consent letter for Loan / Self finance declaration
- Permission from competent authority for taking up open sea cage culture in the designated area.

**7. Terms and Conditions:**

i. The beneficiary will obtain necessary prior permissions from the concerned State/UT Government and other Competent Authorities for installation of cages in the sea. Allotment of sea area by the State/UT Government for cage culture would be as per the prevailing leasing policy/ guidelines of the State/UT.

ii. The beneficiary will submit a SelfContained Proposal(SCP),containing technical-economical details, technical specifications of cages, cost estimate, species to be produced, recurring cost involved, permissions obtained, financial sources for implementation of the project including consent of bank to provide loan to meet the beneficiary contribution or self declaration for investing his/her own funds.

iii. The unit cost of Rs. 5 lakh per cage includes capital, one time operational and maintenance costs.

iv. The governmental assistance is restricted to (a) a maximum of 5 cages per individual beneficiary (b) In case of Groups of fishers and fish farmers i.e. fisher SHGs/Joint Liability Groups (JLGs)/Fisher Cooperatives etc. or those undertaken in a cluster/area approach, the number of cages for governmental assistance will be limited to 2x number of members of such group with a ceiling of 50 cages per group. However, a cluster/area may have multiple groups/societies. As far as FFPOs/Cs are concerned, the modalities of implementation and upper ceiling on the total unitseligible for support would be decided by the CAC.

**8. Mode of Implementation:**

(i) The scheme shall be advertised through the Departmental website, Gramasachivalaya, and newspapers for wide publicity.

(ii) The eligiblebeneficiaries shall apply at Gramasachivalayamthrough online athttp://fisheries.ap.gov.in (or) https://gramawardsachivalayam.ap.gov.inwith relevant documentsincluding hard copy of application.

(iii) The applications will forward it to the concerned sub Officer (FDO/AIF), AD Fisheries.

(iv) After necessary scrutiny by DFO, eligible beneficiaries will be approved by the District Collector/ Chairman, DLC constituted for PMMSY schemes.

(v) DPC will empanel the dealers/ suppliers for supply of sea cages for culture as per choice of beneficiary.

(vi) DFO has to get the declarations from the beneficiaries and issue sanction orders to the beneficiaries and collect the beneficiary contribution through DD in favour of DFO.

(vii) In case of Bank Loan, the beneficiary(s) should submit the Bank Consent letter for the loan portion. In case of self finance; the beneficiary(s) should submit willingness to contribute their portion over and above subsidy component.

(viii) On receipt of Beneficiary contribution, the DFO has to arrange for drawl of subsidy portion from District Treasury for payment to the Suppliers concerned.

(ix) In case of bank finance, DFO should get the bank sanction order for release of loan component andrelease the subsidy component to bank account of the concerned beneficiary and ground the scheme through Bank.

(x) The geo-tagged photographs of the supplied open sea cage along with the beneficiary and Verification Committee shall be kept and displayed in the Fisheries Dept., website.

(xi) Appropriate register shall be maintained at the District level officer and the list of beneficiaries shall be displayed in the Fisheries Dept., website.

(xii) The Joint Director of Fisheries, (Marine), Joint Director of Fisheries (Coastal District), Addl. Director of Fisheries (HO) as well as the Commissioner of Fisheries, Chairman, DLC shall monitor & supervise the implementation of the scheme.

## 14. Operative guidelines for installation of cages in reservoirs

### 1. Introduction :

Presently, reservoirs as resource for fish production are utilized mostly by capture and culture-based capture fisheries, in which fish seed is stocked, allowed attaining marketable size and harvests periodically. Reservoir resources are mostly leased out to Primary Fishermen Cooperatives Societies (PFCSs) or fishing permits (fishing licenses) to individual fishermen living in the vicinity of the reservoirs by the Fisheries department. State has vast inland water body resources with an estimated water spread area of about 2.67 lakh hectares in the form of small reservoirs (1.50 lakh Ha), medium reservoirs (0.28 lakh Ha) and large reservoirs (0.89 lakh Ha). A significant portion of these reservoirs is underutilized vis-a-vis its fish production potential, though the geography of these water bodies favors high biological productivity. Andhra Pradesh is one of the 14 potential states identified under the Blue Revolution Scheme of the Government of India to optimize the reservoir fish production through cage culture intervention. Introduction of commercial scale operations in large scale for taking up Tilapia and Pangasius fish species culture in cages in reservoirs with appropriate backward and forward linkages, such as provision for production of quality seed, feed, processing facility and export market linkages certainly the activity is technically feasible, economically viable and financially profitable.

**2. Objectives:**

- To improve socio-economic condition of the fishers
- To provide nutritional security to the people
- To generate employment to the fishers
- To promote diversification of species
- Optimum utilisation of potential of the reservoirs fish production
- Augment fish production from reservoirs in the state
- Popularisation of cage fish culture technology and for implementation in all the potential water bodies
- To enhance fish production and productivity

**List of Reservoirs above 1000 Ha for Cage Culture In Andhra Pradesh feasible for Cage Culture**

| S. No. | District | Name of the Reservoirs* | TWSA (in ha) | EWSA (in Ha) |
|---|---|---|---|---|
| **I** | **Between 1,000 ha - 2,000 ha** | | | |
| 1 | Srikakulam | Madduvalasa Reservoir | 1240 | 944 |
| 2 | Vizianagaram | Vengalarayasagar Reservoir | 1320 | 990 |
| 3 | Visakhapatnam | Raiwada | 1400 | 1050 |
| 4 | Visakhapatnam | Thandava | 1600 | 1200 |
| 5 | Nellore | Survepalli | 1452 | 1089 |
| 6 | Nellore | Nellore Tank | 1901 | 1426 |
| 7 | Chittoor | Araniyar reservoir | 1404 | 1053 |
| 8 | Kadapa | Veligallu Reservoir | 1076 | 807 |
| 9 | Ananthapuramu | B.T. Project | 1295 | 648 |
| 10 | Ananthapuramu | Chagallu Reservoir | 1452 | 726 |
| 11 | Ananthapuramu | Upper Pennar Project | 1527 | 1145 |
| 12 | Ananthapuramu | Jeddipalli Reservoir (New) | 1600 | 800 |
| 13 | Ananthapuramu | M.P. Dam | 1646 | 823 |
| 14 | Kurnool | Owk Reservoir | 1070 | 803 |
| 15 | Kurnool | Alaganuru Balancing | 1343 | 1007 |
| 16 | Kurnool | Gorkal | 1510 | 1133 |
| 17 | Vizianagaram | Thotapalli Reservoir | 2000 | 1500 |
| 18 | West Godavari | Yerrakaluva Reservoir | 2000 | 1500 |
| | | **Total** | **26836** | **18644** |

| | | | | |
|---|---|---|---|---|
| **II** | **Between 2,001 ha - 3,000 ha** | | | |
| 1 | Prakasam | K.O.R. Gundlakamma Reservoir | 2570 | 1928 |
| 2 | Kadapa | Brahmasagar Reservoir | 2734 | 2051 |
| 3 | Ananthapuramu | P.A.B.Reservoir | 2700 | 1350 |
| | | **Total** | **8004** | **5329** |
| **III** | **Between 3,001 ha - 4,000 ha** | | | |
| 1 | Krishna | Prakasam Barrage | 3600 | 2700 |
| 2 | Guntur | Prakasam Barrage | 3983 | 2987 |
| 3 | Kadapa | Gandikota Reservoir | 3200 | 2400 |
| 4 | Ananthapuramu | Chitravthi Balancing Reservoir | 3546 | 1773 |
| 5 | Kurnool | Gajuladinne Project | 3200 | 1600 |
| | | **Total** | **17529** | **11460** |
| **IV** | **Between 4,001 ha - 5,000 ha** | | | |
| 1 | Kurnool | Velugodu | 4700 | 3525 |
| | | **Total** | **4700** | **3525** |
| **V** | **Between 5,001 ha - 10000 ha** | | | |
| 1 | East Godavari | Yeleru | 5936 | 4452 |
| 2 | West Godavari | Kolleru | 5000 | 3750 |
| 3 | West Godavari | Godavari River | 5000 | 3750 |
| 4 | Guntur | Pulichintala | 8556 | 6417 |
| 5 | Nellore | K.D Reservoir | 6144 | 4608 |
| | | **Total** | **30636** | **22977** |
| **VI** | **above 10,001 ha** | | | |
| 1 | East Godavari | Godavari | 15000 | 11250 |
| 2 | Guntur | NagarjunaSagar | 16606 | 12455 |
| 3 | Nellore | Somasila | 21238 | 15929 |
| 4 | Nellore | Kandaleru | 38912 | 29184 |
| 5 | Kadapa | Somasila backwaters | 10619 | 7964 |
| 6 | Kurnool | Srisailam back waters | 29786 | 22340 |
| | | **Total** | **132161** | **99122** |
| | | **Grand Total** | **219866** | **161057** |

**3.Eligible Beneficiaries :**

Fishers/ FCS/ FWCS/ SHG/ MMG/ Fish farmer Co-operative Societies/ FFPOs/ Unemployed Youth

**4. Unit Cost and Pattern of Assistance ::** (Rs. in Lakhs)

| Name of the sub-component | Unit Cost of the item | Central Share | State Share | Ben. Share/bank loan |
|---|---|---|---|---|
| Installation of Cages in Reservoirs | 3.00 | 0.72 | 0.48 | 1.80 |
| | 3.00 | 1.08 | 0.72 | 1.20 |

**5. Components Eligible for Assistance:**

- Cage frame, hand rails, Anchoring provision, bird protection net, subsidiary facilities
  i. The size of the cages shall be 6m x 4m x 4m (l x b x d) and rectangular in shape.
  ii. The component includes capital and one time recurring cost such as seed, feed, transportation, labour and harvesting etc.

**6 . Documents Required:**

- Application Form
- DPR
- Copy of Aadhaar card, Bank Ac details , contact phone number , photo
- Bank consent letter for Loan / Self finance declaration
- Permission from competent authority for installation of cages/pens

**7. Terms and Conditions:**

(i)The Beneficiary will obtain necessary prior permissions from the State Government and other Competent Authorities for installation of cages in reservoirs. Allotment of water area by the State Government for cage culture would be as per the prevailing leasing policy/guidelines of the State

(ii) The reservoir identified for cage culture should contain water throughout the year with an approximate depth of 8 meters at the cage installation area.

(iii) Beneficiaries will submit Detailed Project Report(DPR) with justification, capital cost, recurring cost involved, source of funds for meeting the beneficiary contribution including bank consent for providing loan, undertaking of beneficiary to the effect that no other governmental assistance is availed for the proposed project, anticipated direct & indirect employment generation to local population, enhancement of fish production and specific time lines for implementation of project etc.

(iv) The Governmental financial assistance will be restricted to a maximum of 18 numbers of cages for individual farmer/beneficiary and a maximum of 100 Nos of cages at a particular location for a group such as cooperative societies/SHGs/JLGs etc., having minimum 10 members. As far as FFPOs/ FCSs are concerned, the modalities of implementation and upper ceiling on the total units eligible for support would be decided by the CAC.

(v) In case of Exotic Fish Species, permission from Govt. is mandatory.

**8. Mode of implementation**

i. The scheme shall be advertised through the departmental website and GSWS portal

ii. The beneficiary shall apply as per the eligibility at GramaSachivalayam through onlineathttp://fisheries.ap.gov.in (or) https://gramawardsachivalayam.ap.gov.inwith relevant documents.

iii. In case, the VFA post is not there, the application can be submitted directly to FDO/ AIF

iv. The submitted application shall be forwarded to the District Fisheries Officer through Concerned Fisheries Development Officer/ Assistant Inspector of Fisheries and Assistant Director of Fisheries.

v. The beneficiaries shall be approved by the District Collector/ Chairman, District Level Committee constituted for PMMSY Schemes

vi. The District Level Committee shall empanel the dealers/ suppliers for supply of cages for culture in reservoirs as per the choice of the beneficiary.

vii. The DFO shall obtain declaration from the beneficiary and issue sanction orders. The beneficiaries shall pay their contribution through DD in favour of the concerned District Fisheries Officer

viii. In case of bank loan, the beneficiary shall submit the bank consent letter for the loan portion/ beneficiary contribution. In case of self finance, the beneficiary shall submit willingness to contribute their portion over and above subsidy component.

ix. On receipt of beneficiary contribution, the DFO shall arrange to drawl subsidy portion or payment and release to the suppliers concerned.

x. In case of bank finance, DFO shall get the bank sanction order to bank account of the concerned beneficiary and ground the scheme through bank

xi. The geotagged photographs of the installed cages in reservoirs along with the beneficiary and verification committee shall be kept and displayed in the Fisheries Department website

xii. Appropriate register shall be maintained at the District Fisheries Officer and the list of beneficiaries shall be displayed in the Department website.

xiii. The State Level Project Monitoring unit shall monitor & supervise the implementation of scheme.

## 15. Operative guidelines for e-platform for e-trading and e-marketing fish and fisheries products

**1. Introduction:**

Government of Andhra Pradesh is having 974 kms of coast line, 33,227 Sq., Kms of continental shelf area providing scope of sustainable yield of off shore & Deep sea fish production. The present level of average annual marine catch stands at 5.60 lakh MTs. Out of 8.50 lakhs of marine fishers, 1.51 lakhs are active fishermen who depend upon marine fishing for their livelihood. Rs 13,960 Crores (2018-19)worth of marine products are exported from the state. Constant interaction, updates regarding products and policies would help position brand as required and in-turn build a strong customer base. For strengthening the presence in a competitive market, given the minimal attention span of consumer, it is essential to reach out to large masses through mediums available within a couple of clicks

**2. Objectives:**

1. To have interaction with updates on aqua products and policies which would position the brand as required
2. To build a strong customer base
3. To reach out to large masses through mediums available within couple of clicks.

**3. Eligible Beneficiaries:**

Entrepreneurs and private firms, FFPOs, Fisheries Co-operatives, Fisheries Federations, SHGs, JLGs and State Government and its entities.

**4. Unit Cost and Pattern of assistance: (Rs. In lakhs)**

| Name of the component | Unit Cost of the item | Central Share | State Share | Benf. Share/Bank loan |
|---|---|---|---|---|
| e-platform for e-trading and e-marketing fish and fisheries | 100.00 | 24.00 | 16.00 | 60.00 |

**5. Components Eligible for Assistance:**

- A website and an application for mobile phones would essentially address the e-marketing issues.
- For e- branding, the following are eligible
    a. Business Stationary
        i. Business Cards
        ii. Letter Heads
        iii. Envelops
        iv. Folders
    b. Visual Identity Design for Packaging and Packaging Solutions
    c. Uniform/ Clothing Design for multiple levels of workforce
    d. Signages in Central Hub and retail outlets
    e. Menu Board Designs in retail outlets
    f. Vehicle visual identity design.

**6. Documents Required:**

- Application Form
- DPR/ Self Contained Proposal
- Copy of Aadhaar card, Bank Ac details , contact phone number , photo
- Bank consent letter for Loan / Self finance declaration
- Permission from competent authority if any for branding and marketing .

7. **Terms and Conditions:**

(i) The assistance will be considered based on a DPR/SCP mode based on essentiality and the benefits the project activities would accrue to the fisheries sector.

(ii)The size of the project outlay would be decided by Govt. on a case to case basis. Inter alia, beneficiary shall give an undertaking to the effect that e-platform will be put in satisfactory operation for a minimum period of 5 years.

**8. Mode of Implementation:**

i. The scheme shall be advertised through the departmental website, GSWS portal.
ii. The beneficiary shall apply as per the eligibility at GramaSachivalayam through online athttp://fisheries.ap.gov.in (or) https://gramawardsachivalayam.ap.gov.inwith relevant documentsincluding hard copy of application
iii. The submitted application shall be forwarded to the District Fisheries Officer through Concerned Fisheries Development Officer/ Assistant Inspector of Fisheries and Assistant Director of Fisheries.
iv. The beneficiaries shall be approved by the District Collector/ Chairman, District Level Committee, constituted for PMMSY schemes.
v. The District Level Committee shall empanel the dealers/ suppliers for supply of cages for culture in reservoirs as per the choice of the beneficiary.
vi. The DFO shall obtain declaration from the beneficiary and issue sanction orders. The beneficiaries shall pay their contribution through DD in favour of the concerned District Fisheries Officer
vii. In case of bank loan, the beneficiary shall submit the bank consent letter for the loan portion/ beneficiary contribution. In case of self finance, the beneficiary shall submit willingness to contribute their portion over and above subsidy component.
viii. On receipt of beneficiary contribution, the DFO shall arrange to drawl subsidy portion or payment and release to the suppliers concerned.
ix. In case of bank finance, DFO shall get the bank sanction order and release subsidy portion to bank account of the concerned beneficiary and ground the scheme through bank
x. Appropriate register shall be maintained at the District Fisheries Officer and the list of beneficiaries shall be displayed in the Department website.
xi. The State Level Project Monitoring unit shall monitor & supervise the implementation of scheme.

## 16. Operative Guidelines for Construction of Retail market under Promotion of Domestic Consumption of Fin Fish and Shellfish - Hub and Spoke Model

### 1. Introduction:

The primary challenges faced by the in the production of fish and fisheries are perishable nature of fish and shellfish, contagious produce and increased dependency on weather conditions. Post production challenges include the extensive financial dependency on exports, dependency on processing units and limited storage availability to fish farmers. The challenges may be resolved by increasing the consumption of fish and fisheries in the domestic market.

The average national per capita fish consumption is at 7.5kg to 10kg per year and the global average ranges from 20kg to 30kg per capita fish consumption per year. Andhra Pradesh, the highest fish producing state has an average per capita fish consumption per year is at 1.8kg and 1.32kg in rural and urban regions respectively.

### 2. Objectives:

- To develop domestic consumption and increase per capita consumption in the state and improve access of quality fish produce to consumers
- Provides Direct and Indirect employment Opportunities
- Protects welfare of farmers/ fishers by ensuring remunerative price to their produce
- To improve socio-economic condition of the fishers
- To provide nutritional security to the people

### 3.EligibleBenificiaries:

The beneficiaries shall be Aqua farmers Societies

### 4.Unit Cost and Pattern of Assistance:

The unit cost is Rs.100.00 Lakhs. The Government subsidy (including GoI&GoAP) shall be 40% i.e., Rs.40.00 lakhs for General Category (whichever is less) and 60% i.e., Rs.60.00 Lakhs for SC/ ST/ Women (whichever is less). The detailed pattern of assistance is as shown above.

| | | | | | | (Rs. in Lakhs) |
|---|---|---|---|---|---|---|
| **Sl No.** | **Scheme** | **Unit Cost** | **Category** | **GOI Share** | **GoAP Share** | **Ben Share/Bank loan** |
| 1 | Construction of Fish Retail Markets (Hub) | 100.00 | General (40%) | 24.00 | 16.00 | 60.00 |
| | | | SC/ ST/ Women (60%) | 36.00 | 24.00 | 40.00 |

**5.Components Eligible for Subsidy:**

| S. No. | COMPONENTS ELIGIBLE FOR ASSISTANCE: |
|---|---|
| **A** | **CONSTRUCTION OF FISH RETAIL MARKETS - Central Hub** |
| 1 | Live Fish Vending Centre |
| a | Live Fish Tanks (1.5 TON EACH) - 4 Nos |
| b | 2” Ground Water Bore |
| c | 5HP Blower set |
| d | 1000 Lts Tanks (100) |
| 2 | Cold Storage (10 Ton Capacity) |
| a | Chilled Room (14’X14’X10’) |
| b | Storage Crates (400) |
| c | Nets (50) |
| d | Loading Platform |
| e | Thermocol Box (250) |
| 3 | KIOSK |
| a | Kiosk (8’X8’) |
| b | Weighing Machine - 2 Nos |
| c | Triple Door Freezers (818 LTS) – 1 NOS |
| 4 | POWER/DG/ELECTRICAL ITEMS |
| a | 25 KVA Transformer |
| b | 30 KVA DG Set |
| c | Yard Lighting |
| 5 | BUILDINGS & BOUNDARY FENCE |
| a | Office Building 14’X14’ |
| b | DG & Blower Shed |
| c | Boundary Fencing |
| d | Welcome Arch |
| e | Office Furniture |

**6.Documents Required:**

- Application along with Self Contained proposals and financial resources
- Land availability of minimum 10000 square feet/ 20 cents with relevant documents
- If under lease, registered lease agreement for minimum 10 years
- Valuation certificates approved by the Chartered Engineers.
- Aadhar Card, Ration Card, Mobile No., Passport Size photo, Bank Account Details, Consent for Bank Loan, Driving Licenses if any transport vehicle included.
- undertaking of beneficiary to the effect that no other governmental assistance is availed for the proposed project

7.**Terms and Conditions:**

i. Beneficiaries will submit Detailed Project Report (DPR) with justification, detailed cost estimate, recurring cost involved, source of funds for meeting the beneficiary contribution including bank consent for providing loan, undertaking of beneficiary to the effect that no other governmental assistance is availed for the proposed project, anticipated direct & indirect employment generation to local population, and specific time lines for completion of the project etc.

ii. (Beneficiaries will provide documentary evidence of availability of requisite land (either own/registered lease), necessary clearances/permissions from the concerned State/UT/authority as may be required. In case of lease land, the minimum lease period should be 10 years from the date of submission of DPR and the registered lease document will be included in the DPR.

iii. Beneficiaries with market/shop of adequate dimensions either owned or on long term lease of at least 10 years (from the date of submission of DPR) primarily in urban areas/metropolitan cities shopping Malls/market complexes will also be supported for establishing a modern fish retail market. Support for such market/shop will be given for modernization and renovation, creation of need based marketing infrastructure like display cabins, refrigeration facilities, storage facilities, live fish handing facilities, furniture and fixtures, etc. In case, the market/shop is for marketing of ornamental fish, the facilities may vary accordingly as per the need. In the DPR up to 10% of the unit cost should be earmarked for e-marketing/e-trading, branding and promotional activities for marketing.

iv. The Beneficiaries will submit an undertaking in the DPR to the effect that all operational, maintenance and post construction management costs of the infrastructure facilities shall be borne by them and the fish market will be kept in operational condition.

v. Beneficiaries will display a board permanently at the infrastructure facilities to the effect that the fish market/kiosk is constructed with Government financial assistance under the PMMSY of the Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying and Department of Fisheries, Andhra Pradesh.

vi. The Beneficiaries will ensure maintenance of hygienic conditions in the fish markets and supply of quality fish to the consumers at affordable price.

vii. The beneficiary will abide by the government regulations, if any in development, operation and management including food quality standards etc.

viii. Priority will be given for establishing these markets in urban areas especially Metropolitan cities.

ix. One-time cost of Quality certification/standards can be part of the DPR

x. The Fish retail Market shall act as Central Hub and shall supply the fish and prawn to its connected spokes viz., live fish vending centre, Fish Kiosks, Three wheeler with ice box including e-rickshaws for fish vending, Fish Value Add Enterprises Units in the District.

xi. The DFO shall make MoU among the Fish retail Market, connected spokes and Department of Fisheries to ensure the market chain is developed.

xii. Governmental assistance will be restricted to one unit for individual beneficiary. Governmental assistance will be restricted to a maximum of 2 units per Group/society in case they are taken up by Groups of fishers and fish farmers i.e. fisher SHGs/Joint

Liability Groups (JLGs)/Fisher Cooperatives etc. or those undertaken in a cluster/area approach. However, a cluster/area may have multiple groups/societies

8. **Mode of Implementation:**

i. The scheme shall be advertised through the Departmental website/ GSWS website s for wide publication. The beneficiary shall apply through online athttp://fisheries.ap.gov.in (or) https://gramawardsachivalayam.ap.gov.inwith DPR along with the required documents.

ii. The applications received shall be scrutinized by the field level functionaries and forwarded to the District Fisheries Officer (DFO) through proper channel.

iii. The DFO on receipt of the applications will verify and the identified beneficiaries shall be approved by the District Level Committee with Collector & District Magistrate as chairman as constituted under PMMSY.

iv. On approval by the DLC, the DFO shall issue Administrative and in principle approval for establishment of Fish Retail Market

v. The valuation of the Civil Works shall be approved by the Chartered Engineer (Civil), Valuation for Equipment shall be approved by the Chartered Engineer (mechanical) and Electrical items shall be approved by the Chartered Engineer (electrical)

vi. The beneficiary shall initiate works and submit proposals along with proper bills and certificates for release of Government subsidy. The DLC shall scrutiny the works by deploying verification committee and the DFO shall release the subsidy portion in 3 phases i.e., 30: 50: 20 to the beneficiary through Direct Benefit Transfer (DBT)

vii. The geo-tagged photographs, videos of the vending/ transport vehicle along with the beneficiary shall be kept and displayed in the website.

xi. The project implementing officers shall submit monthly progress report to the District Fisheries Officers and thereby to the Project Monitoring Unit at State Level. Success stories shall be prepared and sent to the Department of Fisheries, GoI.

xii. Proper record maintenance and recordings of scheme implementation, paper publications, file documentation and stock particulars, bills, cash book shall be properly maintained for auditing purpose.

## 17.Operative Guidelines for Live fish vending Centers (Stationary & Mobile) under Promotion of Domestic Consumption of Fin Fish and Shellfish - Hub and Spoke Model

### 1. Introduction:

The primary challenges faced by the in the production of fish and fisheries are perishable nature of fish and shellfish, contagious produce and increased dependency on weather conditions. Post production challenges include the extensive financial dependency on exports, dependency on processing units and limited storage availability to fish farmers. The challenges may be resolved by increasing the consumption of fish and fisheries in the domestic market.

The average national per capita fish consumption is at 7.5kg to 10kg per year and the global average ranges from 20kg to 30kg per capita fish consumption per year. Andhra Pradesh, the highest fish producing state has an average per capita fish consumption per year is at 1.8kg and 1.32kg in rural and urban regions respectively.

**2. Objectives:**

- To develop domestic consumption and increase per capita consumption in the state and improve access of quality fish produce to consumers
- Provides Direct and Indirect employment Opportunities
- Protects welfare of farmers/ fishers by ensuring remunerative price to their produce
- To improve socio-economic condition of the fishers
- To provide nutritional security to the people

**3. Eligible Beneficiaries:**

The beneficiaries shall be Fishers/ FCS/ FWCS/ SHG/ MMG/ Entrepreneurs/ FPOs/ Unemployed youth. Priority shall be given to the fishers depended on the fish marketing activity.

**4. Components Eligible for Assistance:**

| **B** | **Live fish vending Centers (Stationary and Mobile) - Spoke** |
|---|---|
| **1** | **Live fish vending Centers (Stationary)** |
| a | Civil works, tiles flooring, drainage, water supply and fly proofing to the shop, false ceiling |
| b | Live fish holding tank 20000 liter capacity (4m x 5m x 1m) - 4 |
| c | Two wheeler Moped - 4 |
| d | Electrical fittings (fan, lights, Exhaust fan etc..), Desktop and furniture |
| e | Chilled Display Cabinet 460 Liters capacity |
| f | Deep Freezer (-20 Degree C with 300 Liters capacity) |
| g | 0.5 HP High Speed Pumps - 4 |
| h | Ice Box 100 Litres capacity - 4 |
| i | Ice Box 50 Litres capacity - 4 |
| j | Fly incinerator |
| k | Fish Cutting and Dressing tools (SS) |
| l | Billing Machine |
| m | Plastic ware (Crates etc.) |
| n | Lemon Oil, Sprayer, Head Gear, Gloves set etc.. |
| o | Electronic Weighing scale 30 Kg capacity |
| p | Electronic Weighing scale 10 Kg capacity |
| | |
| **2** | **Live fish vending Centers (Mobile) _ (Unit UptoRs. 3.00 lkahs)** |
| a | e- vehicle with Lithium- Ion battery |
| b | Pay load of 1 Tonne |
| | |
| | |

**5. Unit Cost and Pattern of Assistance:**

The unit cost is Rs.20.00 Lakhs. The Government subsidy (including GoI&GoAP) shall be 40% i.e., Rs.8.00 lakhs for General Category (whichever is less) and 60% i.e., Rs.12.00 Lakhs for SC/ ST/ Women (whichever is less). The detailed pattern of assistance is as shown below:

| | | | | | (Rs. in Lakhs) |
|---|---|---|---|---|---|
| **Scheme** | **Unit Cost** | **Category** | **GOI Share** | **GoAP Share** | **Ben Share/Bank loan** |
| Live fish vending Centers (Stationary and Mobile) | 20.00 | General (40%) | 4.80 | 3.20 | 12.00 |
| | | SC/ ST/ Women (60%) | 7.20 | 4.80 | 8.00 |

**6. Documents Required:**

- Application along with Self Contained proposals and financial resources
- Land availability of minimum 1000 square feet/ 2 cents with relevant documents
- If under lease, registered lease agreement for minimum 10 years
- Valuation certificates approved by the Chartered Engineers.
- Aadhar Card, Ration Card, Mobile No., Passport Size photo, Bank Account Details, Consent for Bank Loan, Driving Licenses if any transport vehicle included.
- undertaking of beneficiary to the effect that no other governmental assistance is availed for the proposed project

**7. Terms and Conditions:**

i. Beneficiaries will submit Self Contained Proposal (SCP) together with availability of financial resources for meeting the beneficiary share etc.
ii. Beneficiaries should ensure that fish transport facilities are maintained in operational condition.
iii. Maintenance & operational costs of the fish transport vehicles shall be met by the beneficiaries at their own cost.
iv. Government shall not be responsible for any losses incurred on procurement, operation, maintenance and management of the fish transport facilities.
v. Beneficiaries will abide by rules/regulations, if any imposed by the Government on maintenance & operation of the fish transport facilities.
vi. Beneficiaries will ensure that the fish transport vehicles/facilities procured under the scheme will be used only for transport of fish and fisheries related items and not for any other purposes.
vii. In case, it is found at any point of time that the fish transport vehicles procured under the PMMSY are used for other than the fisheries purposes, the Government of India will recover the entire central assistance with interest from the beneficiaries.
viii. Beneficiaries will display permanently to the effect that the fish transport vehicle is procured with Government financial assistance under the PMMSY of the Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying and Department of Fisheries, Andhra Pradesh.
ix. Live fish vending centre can be a stationary centre or mobile vehicle or a combination of both.

x. The Live Fish vending Centre shall act as Spoke to the nearest Central Hub i.e., Fish retail Market established under the PMMSY scheme in the District.
xi. The DFO shall make MoU among the Fish retail Market, Live Fish vending Centre and Department of Fisheries to ensure the market chain is developed.

**8. Mode of Implementation:**

i. The scheme shall be advertised through the Departmental website/ GSWS web site for wide publication.
ii. The beneficiary shall apply through online athttp://fisheries.ap.gov.in (or) https://gramawardsachivalayam.ap.gov.inwith relevant documents
iii. The applications received shall be scrutinized by the field level functionaries and forwarded to the District Fisheries Officer (DFO) through proper channel.
iv. The DFO on receipt of the applications will verify and the identified beneficiaries shall be approved by the District Level Committee constituted under PMMSY with District Collectoras chairman.
v. On approval by the DLC, the DFO shall issue Administrative and in principle approval for establishment of Live Fish Vending Centres
vi. The valuation of the Civil Works shall be approved by the Chartered Engineer (Civil), Valuation for Equipment shall be approved by the Chartered Engineer (mechanical) and Electrical items shall be approved by the Chartered Engineer (electrical)
vii. The beneficiary shall initiate works and submit proposals along with proper bills and certificates for release of Government subsidy. The DLC shall scrutiny the works by deploying verification committee and the DFO shall release the subsidy portion in 3 phases i.e., 30: 50: 20 to the beneficiary through Direct Benefit Transfer (DBT).
viii. The geo-tagged photographs, videos of the vending/ transport vehicle along with the beneficiary shall be kept and displayed in the website.
xiii. The project implementing officers shall submit monthly progress report to the District Fisheries Officers and thereby to the Project Monitoring Unit at State Level. Success stories shall be prepared and sent to the Department of Fisheries, GoI.
xiv. Proper record maintenance and recordings of scheme implementation, paper publications, file documentation and stock particulars, bills, cash book shall be properly maintained for auditing purpose.

## 18. Operative Guidelines for Construction of Fish Kiosks under Promotion of Domestic Consumption of Fin Fish and Shellfish - Hub and Spoke Model

### 1. Introduction:

The primary challenges faced by the in the production of fish and fisheries are perishable nature of fish and shellfish, contagious produce and increased dependency on weather conditions. Post production challenges include the extensive financial dependency on exports, dependency on processing units and limited storage availability to fish farmers. The challenges may be resolved by increasing the consumption of fish and fisheries in the domestic market.

The average national per capita fish consumption is at 7.5kg to 10kg per year and the global average ranges from 20kg to 30kg per capita fish consumption per year. Andhra Pradesh, the highest fish producing state has an average per capita fish consumption per year is at 1.8kg and 1.32kg in rural and urban regions respectively.

## 2. Objectives:

- To develop domestic consumption and increase per capita consumption in the state and improve access of quality fish produce to consumers
- Provides Direct and Indirect employment Opportunities
- Protects welfare of farmers/ fishers by ensuring remunerative price to their produce
- To improve socio-economic condition of the fishers
- To provide nutritional security to the people

## 3. Eligibility:

The beneficiaries shall be Fishers/ FCS/ FWCS/ SHG/ MMG/ Entrepreneurs/ FPOs/ Unemployed youth. Priority shall be given to the fishers depended on the fish marketing activity.

Governmental assistance will be restricted to one unit for individual beneficiary. Governmental assistance will be restricted to a maximum of 2 units per Group/society in case they are taken up by Groups of fishers and fish farmers i.e. fisher SHGs/Joint Liability Groups (JLGs)/Fisher Cooperatives etc. or those undertaken in a cluster/area approach. However, a cluster/area may have multiple groups/societies.

## 4. Components Eligible for Assistance:

| **A** | **FISH KIOSK** |
|---|---|
| a | Civil works for tiles drainage, water supply and fly proofing to the shop |
| b | Ice Box 100 Litres capacity - 4 |
| c | Ice Box 50 Litres capacity - 4 |
| d | Fish cutting platform with HMHDPE Cutting board and see through glass panel for visibility of fish cutting and dressing operations to the customers |
| e | Live fish holding tank 300 liter capacity |
| f | Fly incinerator |
| g | Electronic Weighing scale 30 Kg capacity |
| h | Chilled Display Cabinet 460 Liters capacity |
| i | Deep Freezer (-20 Degree C with 300 Liters capacity) |
| j | Fish Cutting and Dressing tools (SS) |
| k | Billing Machine |
| l | Plastic ware (Crates etc.) |
| m | Electrical fittings (Exhaust fan etc..) and furniture |
| n | Two wheeler Moped - 4 |

## 5. Unit Cost and Pattern of Assistance:

The unit cost is Rs.10.00 Lakhs. The Government subsidy (including GoI&GoAP) shall be 40% i.e., Rs.4.00 lakhs for General Category (whichever is less) and 60% i.e., Rs.6.00 Lakhs for SC/ ST/ Women (whichever is less). The detailed pattern of assistance is as shown below:

| | | | | | | (Rs. in Lakhs) |
|---|---|---|---|---|---|---|
| **Sl No.** | **Scheme** | **Unit Cost** | **Category** | **GOI Share** | **GoAP Share** | **Ben Share Bank loan** |
| 1 | Construction of fish kiosks | 10.00 | General (40%) | 2.40 | 1.60 | 6.00 |
| | | | SC/ ST/ Women (60%) | 3.60 | 2.40 | 4.00 |

**6. Documents Required:**

- Application along with Self Contained Proposal and financial resources
- Land availability of minimum 1000 square feet/ 2 cents with relevant documents
- If under lease, registered lease agreement for minimum 10 years
- Valuation certificates approved by the Chartered Engineers.
- Aadhar Card, Ration Card, Mobile No., Passport Size photo, Bank Account Details, Consent for Bank Loan, Driving Licenses if any transport vehicle included.
- undertaking of beneficiary to the effect that no other governmental assistance is availed for the proposed project

**7. Terms and Conditions:**

i. Beneficiaries will submit Self Contained Proposals (SCP) with justification, detailed cost estimate, recurring cost involved, source of funds for meeting the beneficiary contribution including bank consent for providing loan, undertaking of beneficiary to the effect that no other governmental assistance is availed for the proposed project, anticipated direct & indirect employment generation to local population, and specific time lines for completion of the project etc.

ii. (Beneficiaries will provide documentary evidence of availability of requisite land (either own/registered lease), necessary clearances/permissions from the concerned State/UT/authority as may be required. In case of lease land, the minimum lease period should be 10 years from the date of submission of SCP and the registered lease document will be included in the SCP.

iii. Beneficiaries with market/shop of adequate dimensions either owned or on long term lease of at least 10 years (from the date of submission of SCP) primarily in urban areas/metropolitan cities shopping Malls/market complexes will also be supported for establishing a fish kiosk. Support for such market/shop will be given for modernization and renovation, creation of need based marketing infrastructure like display cabins, refrigeration facilities, storage facilities, live fish handing facilities, furniture and fixtures, etc. In the SCP, up to 10% of the unit cost should be earmarked for e-marketing/e-trading, branding and promotional activities for marketing.

iv. The Beneficiaries will submit an undertaking in the SCP to the effect that all operational, maintenance and post construction management costs of the infrastructure facilities shall be borne by them and the fish kiosk will be kept in operational condition.

v. Beneficiaries will display a board permanently at the infrastructure facilities to the effect that the fish market/kiosk is constructed with Government financial assistance

under the PMMSY of the Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying and Department of Fisheries, Andhra Pradesh.

vi. The Beneficiaries will ensure maintenance of hygienic conditions in the fish markets and supply of quality fish to the consumers at affordable price.

vii. The beneficiary will abide by the government regulations, if any in development, operation and management including food quality standards etc.

viii. Priority will be given for establishing these markets in urban areas especially Metropolitan cities.

ix. One-time cost of Quality certification/standards can be part of the DPR

x. The Fish Kiosk shall act as Spoke to the nearest Central Hub i.e., Fish retail Market established under the PMMSY scheme in the District.

xi. The DFO shall make MoU among the Fish retail Market, Fish Kiosk and Department of Fisheries to ensure the market chain is developed.

**8. Mode of Implementation:**

i. The scheme shall be advertised through the Departmental website and newspapers for wide publication.

ii. The beneficiary shall apply through online athttp://fisheries.ap.gov.in (or) https://gramawardsachivalayam.ap.gov.inwith the required documents.

iii. The applications received shall be scrutinized by the field level functionaries and forwarded to the District Fisheries Officer (DFO) through proper channel.

iv. The DFO on receipt of the applications will verify and the identified beneficiaries shall be approved by the District Level Committee constituted under PMMSY with District Collectoras Chairman.

v. The approved beneficiaries shall pay the beneficiary share of 60% (for general) or 40% (SC/ ST/ Women) in the form of Demand Draft/ Cheque in favour of District Fisheries Officer of the concerned District through self-finance or avail bank loan and remit the amount to the DFO Bank Account.

vi. The DFO shall call tenders through online (e-procurement) through the District Purchase Committee (DPC) for empanelling of dealers/ suppliers for establishment of fish kiosk and other eligible components. The components eligible for procuring through quotations shall be approved by the DPC directly..

vii. On finalizing the empanelled dealers/ suppliers, the department shall issue supply order as per the beneficiary choice at those rates finalized in the DPC.

viii. The units shall be installed/ delivered to the beneficiaries by the department officers concerned with proper acknowledgement.

ix. The geo-tagged photographs, videos of the vending/ transport vehicle along with the beneficiary shall be kept and displayed in the website.

xv. The project implementing officers shall submit monthly progress report to the District Fisheries Officers and thereby to the Project Monitoring Unit at State Level. Success stories shall be prepared and sent to the Department of Fisheries, GoI.

xvi. Proper record maintenance and recordings of scheme implementation, paper publications, file documentation and stock particulars, bills, cash book shall be properly maintained for auditing purpose.

## 19. Operative Guidelines for Insulated Vehicles under Promotion of Domestic Consumption of Fin Fish and Shellfish - Hub and Spoke Model

### 1. Introduction:

The main aim of the department is optimum utilization of available water resources, welfare of fishermen and to address the critical gaps in the infrastructure for value chain, thereby to make Andhra Pradesh as model state for welfare of fishermen and development of Fisheries sector. In order to increase the domestic consumption there is immense need to develop and strengthen the cold chain infrastructure. The fishers shall be encouraged to develop their livelihood, generate employment and shall ensure nutritional security to the people.

### 2. Objectives:

- To create livelihood/ employment to the fishers and improve socio-economic condition to the fishers
- To ensure availability of quality fish to consumers and ensure higher price of the produce.
- To provide nutritional security to the people.

### 3. Eligibility:

The beneficiaries shall be Fishers/ FCS/ FWCS/ SHG/ MMG/Entrepreneur/ Unemployed youth. Priority shall be given to the fishers depended on the fish marketing activity.

### 4. Unit cost and Pattern of Assistance:

| | | | | | | (Rs. in Lakhs) |
|---|---|---|---|---|---|---|
| **Sl No.** | **Scheme** | **Unit Cost** | **Category** | **GOI Share** | **GoAP Share** | **Ben ShareBank share** |
| 1 | Insulated Vehicles | 20.00 | General (40%) | 4.80 | 3.20 | 12.00 |
| | | | SC/ ST/ Women (60%) | 7.20 | 4.80 | 8.00 |

The unit cost is Rs.20.00 Lakhs. The Government subsidy (including GoI&GoAP) is 40% i.e., Rs.8.00 Lakh for General category (whichever is less) and 60% i.e., Rs.12.00 lakh for SC/ ST/ Women category (whichever is less). The pattern of Govt and beneficiary share is as shown above:

**5. Components Eligible for Assistance:**

| **Component wise details** | **No.** | **Total Cost (in Rs.)** |
|---|---|---|
| Insulated Vehicle | 1 | 20.00 Lakhs |
| Insulated Crates (20 Kg Capacity) | 100 | |
| Electronic Weighing scale (Large) | 1 | |
| **Total** | | **20.00 lakhs** |

**6. Documents Required:**

Aadhar Card, Ration Card, Passport Size Photo, Heavy Vehicle Driving License/ BADGE

**7. Terms and Conditions:**

i. Beneficiaries will submit Self Contained Proposal (SCP) together with availability of financial resources for meeting the beneficiary share etc.

ii. Beneficiaries should ensure that fish transport facilities are maintained in operational condition.

iii. Maintenance & operational costs of the fish transport vehicles shall be met by the beneficiaries at their own cost.

iv. Government shall not be responsible for any losses incurred on procurement, operation, maintenance and management of the fish transport facilities.

v. Beneficiaries will abide by rules/regulations, if any imposed by the Government on maintenance & operation of the fish transport facilities.

vi. Beneficiaries will ensure that the fish transport vehicles/facilities procured under the scheme will be used only for transport of fish and fisheries related items and not for any other purposes.

vii. In case, it is found at any point of time that the fish transport vehicles procured under the PMMSY are used for other than the fisheries purposes, the Government of India will recover the entire central assistance with interest from the beneficiaries.

viii. Beneficiaries will display permanently to the effect that the fish transport vehicle is procured with Government financial assistance under the PMMSY of the Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying and Department of Fisheries, Andhra Pradesh.

ix. The Insulated Vehicle shall act as Spoke to the nearest Central Hub i.e., Fish retail Market established under the PMMSY scheme in the District.

x. The DFO shall make MoU among the Fish retail Market, insulated vehicle and Department of Fisheries to ensure the market chain is developed.

**8. Mode of Implementation:**

i. The scheme shall be advertised through the Departmental website and newspapers for wide publication.
ii. The beneficiary shall apply through online athttp://fisheries.ap.gov.in (or) https://gramawardsachivalayam.ap.gov.inwith the required documents.
iii. The applications received shall be scrutinized by the field level functionaries and forwarded to the District Fisheries Officer (DFO) through proper channel.
iv. The DFO on receipt of the applications will verify and the identified beneficiaries shall be approved by the District Level Committee constituted under PMMSY with District Collectoras chairman.
v. The approved beneficiaries shall pay the beneficiary share of 60% (for general) or 40% (SC/ ST/ Women) in the form of Demand Draft/ Cheque in favour of District Fisheries Officer of the concerned District through self-finance or avail bank loan and remit the amount to the DFO Bank Account.
vi. The DFO shall call tenders through online (e-procurement) through the District Purchase Committee (DPC) for empanelling of dealers/ suppliers for every component.
vii. On finalizing the empanelled dealers/ suppliers the department shall issue supply order as per the beneficiary choice at those rates finalized in the DPC.
viii. The units shall be delivered to the beneficiaries by the department officers concerned with proper stock entry and acknowledgement.
ix. The DFO shall release the subsidy portion and beneficiary contribution to the empanelled dealers/ suppliers after submission of proper bills by the suppliers and recommendations of the field functionaries.
x. The geo-tagged photographs, videos of the vending/ transport vehicle along with the beneficiary shall be kept and displayed in the website.
xi. Appropriate register shall be maintained at the District and Field Level and the list of beneficiaries shall be displayed in the website.
xii. The project implementing officers shall submit monthly progress report to the District Fisheries Officers and thereby to the Project Monitoring Unit at State Level. Success stories shall be prepared and sent to the Department of Fisheries, GoI.
xiii. Proper record maintenance and recordings of scheme implementation, paper publications, file documentation and stock particulars, bills, cash book shall be properly maintained for auditing purpose.

## 20. Operative Guidelines for Three wheeler with ice box including e-rickshaws for fish vending under Promotion of Domestic Consumption of Fin Fish and Shellfish - Hub and Spoke Model

**1. Introduction:**

The main aim of the department is optimum utilization of available water resources, welfare of fishermen and to address the critical gaps in the infrastructure for value chain, thereby to make Andhra Pradesh as model state for welfare of fishermen and development of Fisheries sector. In order to increase the domestic consumption there is immense need to develop and strengthen the cold chain infrastructure. The fishers shall be encouraged to

develop their livelihood, generate employment and shall ensure nutritional security to the people.

**2. Objectives:**

- To create livelihood/ employment to the fishers and improve socio-economic condition to the fishers
- To ensure availability of quality fish to consumers and ensure higher price of the produce.
- To provide nutritional security to the people

**3. Eligibility:**

The beneficiaries shall be Fishers/ FCS/ FWCS/ SHG/ MMG/ Unemployed youth. Priority shall be given to the fishers depended on the fish marketing activity.

**4. Unit cost and Pattern of Assistance:**

| | | | | | | **(Rs. in Lakhs)** |
|---|---|---|---|---|---|---|
| **Sl No.** | **Scheme** | **Unit Cost** | **Category** | **GOI Share** | **GoAP Share** | **Ben Share/Bank loan** |
| 1 | Three wheeler with ice box including e-rickshaws for fish vending | 3.00 | General (40%) | 0.72 | 0.48 | 1.80 |
| | | | SC/ ST/ Women (60%) | 1.08 | 0.72 | 1.20 |

The unit cost is Rs.3.00 Lakhs. The Government subsidy (including GoI&GoAP) is 40% i.e., Rs.1.20 Lakh for General category (whichever is less) and 60% i.e., Rs.1.80 lakh for SC/ ST/ Women category (whichever is less). The pattern of Govt and beneficiary share is as shown above:

**5. Components Eligible for Assistance:**

| S. No. | Three Wheeler with ice box including e-rickshaws for fish vending |
|---|---|
| a | Three wheeler auto, with checkered aluminium flooring and proper drain holes etc./ e-rickshaws |
| b | Ice Boxes 100 Lit. Capacity - 2 |
| c | HDPE Crates 50 Litres capacity - 2 |
| d | Fish Cutting Board HDPE with stand (3/4" thickness) |
| e | Electronic Weighing scale |
| f | Fish Cutting and Dressing Tools |
| g | Lemon Oil, Sprayer, Head Gear, Gloves set etc.. |
| h | Tarpaulin Sheet, Waste Collection Unit |

**5. Documents Required:**

Aadhar Card, Ration Card, Passport Size Photo, Driving License/ LLR

**6. Terms and Conditions:**

i. Beneficiaries will submit Self Contained Proposal (SCP) together with availability of financial resources for meeting the beneficiary share etc.

ii. Beneficiaries should ensure that fish transport facilities are maintained in operational condition.

iii. Maintenance & operational costs of the fish transport vehicles shall be met by the beneficiaries at their own cost.
iv. Government shall not be responsible for any losses incurred on procurement, operation, maintenance and management of the fish transport facilities.
v. Beneficiaries will abide by rules/regulations, if any imposed by the Government on maintenance & operation of the fish transport facilities.
vi. Beneficiaries will ensure that the fish transport vehicles/facilities procured under the scheme will be used only for transport of fish and fisheries related items and not for any other purposes.
vii. In case, it is found at any point of time that the fish transport vehicles procured under the PMMSY are used for other than the fisheries purposes, the Government of India will recover the entire central assistance with interest from the beneficiaries.
viii. Beneficiaries will display permanently to the effect that the fish transport vehicle is procured with Government financial assistance under the PMMSY of the Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying and Department of Fisheries, Andhra Pradesh.
ix. The Three wheeler with ice box including e-rickshaws shall act as Spoke to the nearest Central Hub i.e., Fish retail Market established under the PMMSY scheme in the District.
x. The DFO shall make MoU among the Fish retail Market, Three wheeler with ice box including e-rickshaws and Department of Fisheries to ensure the market chain is developed.

**8. Mode of Implementation**

i. The scheme shall be advertised through the Departmental website and newspapers for wide publication.
ii. The beneficiary shall apply through online athttp://fisheries.ap.gov.in (or) https://gramawardsachivalayam.ap.gov.inwith the required documents.
iii. The applications received shall be scrutinized by the field level functionaries and forwarded to the District Fisheries Officer (DFO) through proper channel.
iv. The DFO on receipt of the applications will verify and the identified beneficiaries shall be approved by the District Level constituted under PMMSY with District Collectoras chairman.
v. The approved beneficiaries shall pay the beneficiary share of 60% (for general) or 40% (SC/ ST/ Women) in the form of Demand Draft/ Cheque in favour of District Fisheries Officer of the concerned District through self-finance or avail bank loan and remit the amount to the DFO Bank Account.
vi. The DFO shall call tenders through online (e-procurement) through the District Purchase Committee (DPC) for empanelling of dealers/ suppliers for every component.
vii. On finalizing the empanelled dealers/ suppliers the department shall issue supply order as per the beneficiary choice at those rates finalized in the DPC.
viii. The units shall be delivered to the beneficiaries by the department officers concerned with proper stock entry and acknowledgement.
ix. The DFO shall release the subsidy portion and beneficiary contribution to the empanelled dealers/ suppliers after submission of proper bills by the suppliers and recommendations of the field functionaries.
x. The geo-tagged photographs, videos of the vending/ transport vehicle along with the beneficiary shall be kept and displayed in the website.

xi. Appropriate register shall be maintained at the District and Field Level and the list of beneficiaries shall be displayed in the website.

xii. The project implementing officers shall submit monthly progress report to the District Fisheries Officers and thereby to the Project Monitoring Unit at State Level. Success stories shall be prepared and sent to the Department of Fisheries, GoI.

xiii. Proper record maintenance and recordings of scheme implementation, paper publications, file documentation and stock particulars, bills, cash book shall be properly maintained for auditing purpose.

## 21. Operative Guidelines for Fish Value Add Enterprises Units under Promotion of Domestic Consumption of Fin Fish and Shellfish - Hub and Spoke Model

**1. Introduction:**

The primary challenges faced by the in the production of fish and fisheries are perishable nature of fish and shellfish, contagious produce and increased dependency on weather conditions. Post production challenges include the extensive financial dependency on exports, dependency on processing units and limited storage availability to fish farmers. The challenges may be resolved by increasing the consumption of fish and fisheries in the domestic market.

The average national per capita fish consumption is at 7.5kg to 10kg per year and the global average ranges from 20kg to 30kg per capita fish consumption per year. Andhra Pradesh, the highest fish producing state has an average per capita fish consumption per year is at 1.8kg and 1.32kg in rural and urban regions respectively.

**2. Objectives:**

- To develop domestic consumption and increase per capita consumption in the state and improve access of quality fish produce to consumers
- Provides Direct and Indirect employment Opportunities
- Protects welfare of farmers/ fishers by ensuring remunerative price to their produce
- To increase export and trade from the state.
- To improve socio-economic condition of the fishers
- To provide nutritional security to the people

**3.Eligible Beneficiaries:**

The beneficiaries shall be Fishers/ FCS/ FWCS/ SHG/ MMG/ Entrepreneurs/ FPOs/ Unemployed youth. Priority shall be given to the fishers depended on the fish marketing activity.

Governmental assistance will be restricted to one unit for individual beneficiary. Governmental assistance will be restricted to a maximum of 2 units per Group/society in case they are taken up by Groups of fishers and fish farmers i.e. fisher SHGs/Joint Liability Groups (JLGs)/Fisher Cooperatives etc. or those undertaken in a cluster/area approach. However, a cluster/area may have multiple groups/societies.

**4. Components Eligible for Assistance:**

i. Processing hall
ii. Store room
iii. Stainless steel tables
iv. Other relevant instruments/ equipments like descaler, etc

**5. Unit Cost and Pattern of Assistance:**

The unit cost is Rs.50.00 Lakhs. The Government subsidy (including GoI&GoAP) shall be 40% i.e., Rs.20.00 lakhs for General Category (whichever is less) and 60% i.e., Rs.30.00 Lakhs for SC/ ST/ Women (whichever is less). The detailed pattern of assistance is as shown above:

| | | | | | | **(Rs. in Lakhs)** |
|---|---|---|---|---|---|---|
| **Sl No.** | **Scheme** | **Unit Cost** | **Category** | **GOI Share** | **GoAP Share** | **Ben Share/bank share** |
| 1 | Fish Value Add Enterprises Units | 50.00 | General (40%) | 12.00 | 8.00 | 30.00 |
| | | | SC/ ST/ Women (60%) | 18.00 | 12.00 | 20.00 |

**6.DocumentsRequierd:**

- Application along with DPR and financial resources
- Land availability of minimum 10000 square feet/ 20 cents with relevant documents
- If under lease, registered lease agreement for minimum 10 years
- Valuation certificates approved by the Chartered Engineers.
- Aadhar Card, Ration Card, Mobile No., Passport Size photo, Bank Account Details, Consent for Bank Loan, Driving Licenses if any transport vehicle included.
- undertaking of beneficiary to the effect that no other governmental assistance is availed for the proposed project

**7. Terms and Conditions**

i. Beneficiaries will submit Detailed Project Report (DPR) with justification, detailed cost estimate, recurring cost involved, source of funds for meeting the beneficiary contribution including bank consent for providing loan, undertaking of beneficiary to the effect that no other governmental assistance is availed for the proposed project, anticipated direct & indirect employment generation to local population, and specific time lines for completion of the project etc.

ii. (Beneficiaries will provide documentary evidence of availability of requisite land (either own/registered lease), necessary clearances/permissions from the concerned State/UT/authority as may be required. In case of lease land, the minimum lease period should be 10 years from the date of submission of DPR and the registered lease document will be included in the DPR.

iii. Beneficiaries with Fish Value Add Enterprise of adequate dimensions either owned or on long term lease of at least 10 years (from the date of submission of DPR) primarily in urban areas/metropolitan cities shopping Malls/market complexes will also be supported for establishing a Fish Value Add Enterprise unit. Support for such market/shop will be given for modernization and renovation, creation of need based marketing infrastructure like display cabins, refrigeration facilities, storage facilities, live fish handing facilities, furniture and fixtures, etc. In the DPR up to 10% of the unit cost should be earmarked for e-marketing/e-trading, branding and promotional activities for marketing.

iv. The Beneficiaries will submit an undertaking in the DPR to the effect that all operational, maintenance and post construction management costs of the

infrastructure facilities shall be borne by them and the Fish Value Add Enterprise will be kept in operational condition.

v. Beneficiaries will display a board permanently at the infrastructure facilities to the effect that the Fish Value Add Enterprise is constructed with Government financial assistance under the PMMSY of the Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying and Department of Fisheries, Andhra Pradesh.

vi. The Beneficiaries will ensure maintenance of hygienic conditions in the fish markets and supply of quality fish to the consumers at affordable price.

vii. The beneficiary will abide by the government regulations, if any in development, operation and management including food quality standards etc.

viii. Priority will be given for establishing these markets in urban areas especially Metropolitan cities.

ix. One-time cost of Quality certification/standards can be part of the DPR

x. Fish value added enterprises would be supported on a DPR basis. Permissible items include need based civil and electric works, water supply and sanitation, plant and machinery, etc. In the DPR up to 10 % of the unit cost should be earmarked for E-marketing/e-trading, branding and promotional activities for marketing of value-added products.

xi. The Fish Value Add Enterprise shall act as Spoke to the nearest Central Hub i.e., Fish retail Market established under the PMMSY scheme in the District.

xii. The DFO shall make MoU among the Fish retail Market, Fish Value Add Enterprise and Department of Fisheries to ensure the market chain is developed.

**8. Mode of Implementation:**

i. The scheme shall be advertised through the Departmental website and newspapers for wide publication.

ii. The beneficiary shall apply through online athttp://fisheries.ap.gov.in (or) https://gramawardsachivalayam.ap.gov.inwith relevant documents

iii. The applications received shall be scrutinized by the field level functionaries and forwarded to the District Fisheries Officer (DFO) through proper channel.

iv. The DFO on receipt of the applications will verify and the identified beneficiaries shall be approved by the District Level Committee with Collector & District Magistrate as chairman.

v. On approval by the DLC, the DFO shall issue Administrative and in principle approval for establishment of Fish Value Add Enterprise unit

vi. The valuation of the Civil Works shall be approved by the Chartered Engineer (Civil), Valuation for Equipment shall be approved by the Chartered Engineer (mechanical) and Electrical items shall be approved by the Chartered Engineer (electrical)

vii. The beneficiary shall initiate works and submit proposals along with proper bills and certificates for release of Government subsidy. The DLC shall scrutiny the works by deploying verification committee and the DFO shall release the subsidy portion in 3 phases i.e., 30: 50: 20 to the beneficiary through Direct Benefit Transfer (DBT).

viii. The geo-tagged photographs, videos of the vending/ transport vehicle along with the beneficiary shall be kept and displayed in the website.

xvii. The project implementing officers shall submit monthly progress report to the District Fisheries Officers and thereby to the Project Monitoring Unit at State Level. Success stories shall be prepared and sent to the Department of Fisheries, GoI.

xviii. Proper record maintenance and recordings of scheme implementation, paper publications, file documentation and stock particulars, bills, cash book shall be properly maintained for auditing purpose.

## 22. Operative Guidelines for establishment of Aqua bazar

### 1. Introduction:

Andhra Pradesh stands first in the country in the fisheries sector both in terms of total fish and prawn production and total value of fish products. Fisheries and aquaculture remain an important source of food, nutrition, employment and income for millions, especially the rural populations. The sector provides livelihood to about 26.5 lakh families at the primary level of the value chain. In spite of having highest production, the per capita consumption in the State is very low (1.8 kg per capita per annum in rural areas and 1.32 kg per capita per annum in urban areas) in comparison to average national per capita fish consumption of 7.5kg to 10kg per year and the global average of 20kg to 30kg per capita fish consumption per year. The State needs to "Establishment of Aqua Bazars in urban and rural areas" on enhancing the per capita consumption of fisheries in the State through creation and development of value chain targeted at domestic consumption. Through this scheme the total expected per capita consumption within the state would be enhanced by additional 100,000 MT by 2021 and around 500,000 MT by 2025.

### 2. Objectives:

a) To Establish Domestic Fish Marketing network in the State
b) To increase the domestic per capita consumption of fish/shrimp and other aqua products.
c) For aggregating and storing aqua products and distributing it to various retail points/Janata Bazars in urban and rural areas.

### 3. Eligible Beneficiaries:

Aqua Farmers Societies (AFSs)/ Aqua entrepreneurs society.

### 4. Unit Cost and Pattern of Assistance:

Unit Cost shall be Rs.83.00 lakhs for establishment of each aqua bazaar at Constituency level. Accordingly, the assistance is Rs.33.20 lakh (40%) from GoAP, Rs.41.50 lakhs (50%) Loan from FIDF/Banks/any other scheme and Rs.8.30 lakhs (10%) from Aqua Farmer Societies/FPOs. Actual financial pattern shall be decided after approval of Finance Department.

| Unit Cost | Rs.83.00 lakhs |
|---|---|
| GoAP share | Rs.33.20 lakh (40%) |
| Loan from FIDF/Banks/any other scheme | Rs.41.50 lakhs (50%) |
| Aqua Farmer Societies/FPOs. | Rs.8.30 lakhs (10%) |

**5. Components Eligible for Assistance:**

- Live Fish Vending Centre
  - ✓ Live fish tanks
  - ✓ Ground Water bore
  - ✓ Blower Set
  - ✓ Water tanks
- Cold Storage :
  - ✓ Chill room for storing fresh fish/shrimp
  - ✓ Storing crates
  - ✓ Nets, Loading Platform
  - ✓ Thermocool boxes
- Kiosk
  - ✓ Weighing machines
  - ✓ Triple door freezers
- Power / Electrical items
- Office building
- DG/ Blower shed, Boundary fencing

**6. Documents Required:**

a) Aqua farmers Societies registration certificate along with byelaw copy
b) Financial tie up as per G.O/ byelaws
c) Resolution from aqua farmers society
d) Board of directors details certified by President of AFS
e) Permissions from Government Authorities , if any

7. **Terms and Conditions:**

a) The Aqua bazaars Adhere to promote domestic consumption
b) Each Aquabazar has to supply material to respective Janatha Bazars/ retail outlets points with own transportation and other logistics
c) The Aqua bazaars has to procure live fish/fresh prawn from clusters of FFPOs / AFS/ Fishers/Pre-processing and Processing units at remunerative price to farmers/fishermen and affordable prices to consumers.
d) The Aqua bazaar has to maintain uniform brand prescribes by Fisheries Dept accordingly they have to maintain the quality of fish/prawn.
e) The Aqua bazars has to maintain uniformity in creating ambience/branding in Aqua bazars.
f) The Aqua bazaars should associate with PMU at State level & e- Platform prepared by Department of Fisheries.

**7. Mode of Implementation:**

ix. The scheme shall be advertised through the Departmental website and GSWS website for wide publicity.
x. The beneficiary shall apply through online at http://fisheries.ap.gov.in (or) https://gramawardsachivalayam.ap.gov.in with relevant documents
xi. The VFA shall examine the documents and forward it to AIF/ FDO within two days
xii. In case of VFA post do not exists, the proposal shall be sent directly to AIF/ FDO
xiii. The applications received shall be scrutinized by the field level functionaries and forwarded to the District Fisheries Officer (DFO) through proper channel.

xiv. The DFO on receipt of the applications will verify and the identified beneficiaries shall be approved by the District Level Committee with Collector & District Magistrate as chairman.
xv. On approval by the DLC, the DFO shall forward it to State Level Committee (SLC).
xvi. The SLC will examine the proposals and sanction the project as per the DPR & Business Plan.

## 23. Operative Guidelines for Establishment of Pre-Processing Unit - Aqua Farmer Societies:

### 1. Introduction:

Andhra Pradesh stands first in the country in the fisheries sector both in terms of total fish and prawn production and total value of fish products. Fisheries and aquaculture remain an important source of food, nutrition, employment and income for millions, especially the rural populations. The sector provides livelihood to about 1.4 million Fish farming families at the primary level of the value chain. In spite of having highest production, the per capita consumption in the State is very low (1.8 kg per capita per annum in rural areas and 1.32 kg per capita per annum in urban areas) in comparison to average national per capita fish consumption of 7.5kg to 10kg per year and the global average of 20kg to 30kg per capita fish consumption per year. The State needs to "Establishment of Pre-Processing plant– Aqua Farmer Societies" in potential aqua clusters with suitable infrastructure to avoid spoilage, reducing transportation cost and provides employability to rural women folk.

### 2. Objectives:

The main objective of the pre-processing unit is to create a backward linkage by setting up processing and preservation to enhance the shelf life of perishable product like farmed shrimp/fish. Once the shrimp/fish is harvested from the ponds it has to be immediately iced and sent to pre-processing centre which will do preliminary processing like raw material receiving, washing, de-heading, sorting, peeling, washing, icing, chilling etc. The objectives include

i. Providing direct and indirect employment opportunities to rural women/fisherfolk
ii. Protects the welfare of farmers by ensuring the remunerative price during distress harvest
iii. Pre-Processing plants offers Solution for immediate grading, de-heading, peeling & Chilling/icing making product ready to be moved to processing plant or Aqua bazaar.
iv. This will help to augment the processing capacities of export processing units and increase their production capacities.
v. To serve as a backward linkage by setting up processing and preservation to enhance the shelf life of perishable product like farm shrimps. Further, there shall be continuous supply of quality raw material to processing plants as per the market demand.

**3.Eligible Beneficiaries:**

Aqua Farmers Societies (AFSs)

**4. Unit Cost pattern of Assistance:**

Unit Cost shall be Rs.563.73 lakhs for establishment of each Pre-Processing plant. Accordingly, the assistance is Rs.225.492 lakh (40%) from GOAP, Rs.281.865lakhs (50%) Loan from FIDF/Banks/any other scheme and Rs.56.373 lakhs (10%) from Aqua Farmer Societies/FPOs. Actual financial pattern shall be decided after approval of Finance Department.

| Unit Cost | Rs.563.73 lakhs |
|---|---|
| GoAP share | Rs.225.492 lakh (40%) |
| Loan from FIDF/Banks/any other scheme | Rs.281.865 lakhs (50%) |
| Aqua Farmer Societies/FPOs. | Rs.56.373 lakhs (10%) |

**5.Components Eligible for Assistance:**

i. Shrimp sorting machine 1 nos
ii. 2 chill rooms of capacity 30MT each
iii. Bubble washers 1 nos of capacity 2500 kg/h
iv. De-heading conveyors, Shrimp de-heading tables 20 nos
v. SS peeling tables – 45 nos
vi. Stainless steel roller graders of capacity about 2,500 kg/h.
vii. Flake ice machines each of capacity 30 MT/day.
viii. Plastic tubs, basins etc (lump sum)
ix. Water treatment system including RO, Chlorine dozer etc 10,000 L/h,
x. Generator 200 KVA
xi. Effluent treatment system of capacity 90 KLD per day.
xii. Laboratory to test for Anti-biotic residue, microbiological and organoleptic tests.
xiii. Electricity 3 phase H T 200 KVA connected load.
xiv. Relevant Office Equipment, Furniture and fixtures,
xv. Cost of Pre- processing building (including civil works, PEB, Sandwich Panels), Ware house, Time Office and Security building, D.G. & Panel room, water collection room, internal roads & Parking area, Storm drain/ Sewage Drain, Maingate, Bore well 6 inch dia.

**6.Documents Required:**

a) Aqua farmers Societies registration certificate along with byelaw copy
b) Financial tie up as per G.O/ byelaws
c) Resolution from aqua farmers society
d) Board of directors details certified by President of AFS
e) Permission from industries department including Pollution Control Board, if need be.

**7.Terms and Conditions:**

a) Aqua farmers Societies (AFSs) to establish pre-processing units in potential aqua clusters with suitable infrastructure to avoid spoilage, reducing transportation cost and provides employability to rural women folk.
b) These Aqua farmers Societies (AFSs) shall have tie-up with processing plants for supply of processed shrimp.

c) Pre-processing AFS can carry out all the business related to pre-processing of fish, shrimps and other marine species including but not limited to procurement, sorting, grading, icing, beheading, peeling, pooling, handling, marketing, selling, export and import, storage, packing, buying, selling, supplying, and trading.

d) Pre-processing AFS shall be engaged in sourcing of fish/prawns and other marine species from various Production AFSs/ FFPOs, traders, fishers, entrepreneurs etc.

e) Pre-processing AFSs will be engaged in primary processing and distributing the material to the existing Processing units/ Processing AFSs on the continuous basis as well as to aqua bazars for marketing of minimally processed products.

**8. Mode of Implementation:**

i. The scheme shall be advertised through the Departmental website and GSWS website for wide publication.
ii. The beneficiary shall apply through online at http://fisheries.ap.gov.in (or) https://gramawardsachivalayam.ap.gov.in with relevant documents
iii. The VFA shall examine the documents and forward it to AIF/ FDO within two days
iv. In case of VFA post do not exists, the proposal shall be sent directly to AIF/ FDO
v. The applications received shall be scrutinized by the field level functionaries and forwarded to the District Fisheries Officer (DFO) through proper channel.
vi. The DFO on receipt of the applications will verify and the identified beneficiaries shall be approved by the District Level Committee with Collector & District Magistrate as chairman.
vii. On approval by the DLC, the DFO shall forward it to State Level Committee (SLC).
viii. The SLC will examine the proposals and sanction the project as per the DPR & Business Plan

## 24 .Operative Guidelines for Establishment of Processing units by Aqua Farmer Societies:

**1. Introduction:**

Andhra Pradesh stands first in the country in the fisheries sector both in terms of total fish and prawn production and total value of fish products. Fisheries and aquaculture remain an important source of food, nutrition, employment and income for millions, especially the rural populations. The sector provides livelihood to about 1.4 million Fish farming families at the primary level of the value chain. In spite of having highest production, the per capita consumption in the State is very low (1.8 kg per capita per annum in rural areas and 1.32 kg per capita per annum in urban areas) in comparison to average national per capita fish consumption of 7.5kg to 10kg per year and the global average of 20kg to 30kg per capita fish consumption per year. The State needs to “Establishment of Processing plant – Aqua Farmer Societies” Processing have to be established and maintain Processing plants with support of financial assistance of Government, with tie-up of reputed company by ensuring remunerative price to the farmers during price fall in local market/disaster/ pandemic times.

**2. Objectives:**

a. To carry out all the business related to processing of fish/shrimps and other marine species including, but not limited to procurement, freezing, heating, irradiating, drying, pooling, handling, marketing, selling, export and import, storage, packing, buying, selling, supplying, and trading.
b. To Create additional job opportunity and livelihood at the production clusters especially for women through various activities related to processing of fish/shrimp and other marine species.
c. To ensure the Government fixed remunerative price to aqua produce to avoid distress sale with support of Government

**3. Eligible Beneficiaries:**
Aqua Farmers Societies (AFSs)

**4. Unit Cost pattern of Assistance:**

Unit Cost shall be Rs.4000.00lakhs for establishment of each Processing plant. Accordingly, the assistance is Rs.1600.00lakh (40%) from GOAP, Rs.2000.00lakhs (50%) Loan from FIDF/Banks/any other scheme and Rs.400.00 lakhs (10%) from Aqua Farmer Societies/FPOs. Actual financial pattern shall be decided after approval of Finance Department.

| Unit Cost | Rs.4000.00 lakhs |
|---|---|
| GoAP share | Rs.1600.00 lakh (40%) |
| Loan from FIDF/Banks/any other scheme | Rs.2000.00 lakhs (50%) |
| Aqua Farmer Societies/FPOs. | Rs.400.00 lakhs (10%) |

**5. Components Eligible for Subsidy (indicative only)**

- Cleaning Platforms
- Ice manufacturing unit
- Insulated and/or refrigerated vehicles -2Nos
- Insulated boxes
- IQF/Block freezing. Requisite capacity – 30Tons per day.
- Cold (frozen) storage – around 1200 Tons capacity.
- Freezing plants equipment
- Water supply
- Waste management system
- Effluent treatment system
- Other Equipment and machinery for cold storage along with other logistics support as per DPR
- Civil infrastructure –Office building ,Plant Building for plant, internal roads,dormitory for workers. Not exceeding 25% of unit cost.

**6.Documents Required:**

a) Aqua farmers Societies registration certificate along with byelaw copy
b) Financial tie up as per G.O/ byelaws
c) Resolution from aqua farmers society
d) Board of directors details certified by President of AFS
e) Permission from industries Department including Pollution Control Board, if any.

**7.Terms and Conditions:**

a. Processing AFSs can carry out all the business related to processing of fish/shrimps and other marine species including, but not limited to procurement, freezing, heating, irradiating, drying, pooling, handling, marketing, selling, export and import, storage, packing, buying, selling, supplying, and trading.
b. Processing AFSs shall be engaged in sourcing of fish/prawns and other marine species from various Production FFPOs/AFSs, Pre-Processing AFSs, traders, fishers, entrepreneurs etc.
c. Processing AFSs will be engaged in processing and distributing the material to the aqua bazars on continuous basis for marketing of processed aqua products.
d. Processing AFSs shall be responsible for setting up of the Processing unit and creation of other infrastructures in respective districts preferably at production clusters for the processing and distribution of the processed fish/shrimps and other aqua products to the aqua bazar for marketing through the retail points/Janata bazar in urban and rural areas and export market.
e. Processing AFSs shall also procure the produce of aqua farmers during the distress/disaster/pandemic conditions at price decided by Department in consultation with all stakeholders.
f. AFSs may enter into separate tie up arrangements with reputed companies/merchandisers for processing the produce from farmers at rate communicated by Fisheries Department during distress situation and for processing of produce for supplying to Domestic & Export market. There shall be tri-partite agreement between Fisheries Department, AFSs and company with which AFS enters into tie up arrangement.

**8.Mode of Implementation:**

i. The scheme shall be advertised through the Departmental website and GSWS website for wide publication.
ii. The beneficiary shall apply through online at http://fisheries.ap.gov.in (or) https://gramawardsachivalayam.ap.gov.in with relevant documents
iii. The VFA shall examine the documents and forward it to AIF/ FDO within two days
iv. In case of VFA post does not exist, the proposal shall be sent directly to AIF/ FDO
v. The applications received shall be scrutinized by the field level functionaries and forwarded to the District Fisheries Officer (DFO) through proper channel.
vi. The DFO on receipt of the applications will verify and the identified beneficiaries shall be approved by the District Level Committee with Collector & District Magistrate as chairman.
vii. On approval by the DLC, the DFO shall forward it to State Level Committee (SLC).
viii. The SLC will examine the proposals and sanction the project as per the DPR & Business Plan

Dr.POONAM MALAKONDAIAH
SPECIAL CHIEF SECRETARY TO GOVERNMENT (FAC).

# Annexure - II

**(Annexure to GO Rt. No. AH, DD &F(Fish) Dept., Dt:16.10.2020)**

A. The following (**15**) Beneficiary Oriented schemes where the project cost is below Rs. 50 lakhs which needs to be approved by the District Level Committee (DLC) constituted under G.O. Ms. No. 126, dated : 10-07-2020 of AH, DD & F (Fish) Dept, GoAP.

| S.No. | Name of the Scheme/ Component |
|---|---|
| 1 | Establishment of New Fresh water Fin Fish hatcheries |
| 2 | Construction of Biofloc ponds for Brackishwater / Saline / Alkaline areas including inputs |
| 3 | Construction of Biofloc ponds for Brackishwater / Saline / Alkaline areas including inputs |
| 4 | Stocking fingerlings in reservoirs @1000 F.L for ha.(3.0/1 Lakh FL) |
| 5 | Establishment of open sea cage culture |
| 6 | Installation of cages in reservoir |
| 7 | Motor cycles with Ice box |
| 8 | Live fish vending centers @ 5 spokes per each hub (stationery and Mobile) |
| 9 | Insulated vehicles @ 2 vehicles per hub |
| 10 | Three wheeler with ice box including e-rickshaws for fish vending @ 10 spokes per hub |
| 11 | Construction of Fish kiosks @10 spokes per each hub |
| 12 | Establishment of Bio-toilets in mechanized fishing vessels |
| 13 | Establishment of Disease diagnostic and quality test labs |
| 14 | Establishment of Disease diagnostic and quality testing mobile labs/clinics |
| 15 | Provide boats (replacement) and nets for traditional fishermen |

B. The following (9) Beneficiary Oriented schemes where the project cost is Rs. 50 lakhs and above which needs to be approved by the State Level Committee (SLC).

| S.No. | Name of the Scheme/ Component |
|---|---|
| 1 | Establishment of need based New Brackish Hatcheries(Shell fish and Fin fish) ponds (Nursery) /seed/rearing) |
| 2 | Establishment of Large RAS culture systems Aquaculture |
| 3 | Construction of Fish retail Market (Hub) |
| 4 | Fish value added enterprises units @ 1 spoke at each hub |
| 5 | e-platform for e-trading and e-marketing of fish and fisheries products |
| 6 | Support for acquisition of Deep Sea fishing vessels for traditional fishermen |
| 7 | Establishment of Aqua bazars |
| 8 | Establishment Pre-processing plant |
| 9 | Establishment of Processing plant |

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